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BEFORE THE ARIZONA CORPORATION COMMISSION

DOCKET COR.

COMMISSIONERS

BOB STUMP, Chairman

GARY PIERCE

BRENDA BURNS

BOB BURNS

SUSAN BITTER SMITH

2014 JUL 30 PM 3 34

Arizona Corporation Commission

DOCKETED

JUL 30 2014

DOCKETED BY

IN THE MATTER OF THE APPLICATION OF
GLOBAL WATER -- PALO VERDE UTILITIES
COMPANY, INC. FOR AN EXTENSION OF ITS
EXISTING CERTIFICATE OF CONVENIENCE
AND NECESSITY

DOCKET NO. SW-20445A-14-0291

APPLICATION FOR EXTENSION OF
CERTIFICATE OF CONVENIENCE
AND NECESSITY

Global Water – Palo Verde Utilities Company, Inc. (“Applicant”) applies to the Arizona Corporation Commission (“Commission”) for approval of an extension of its Certificate of Convenience and Necessity (“CC&N”) to include the areas set forth in the legal description attached as **Exhibit 1** (the “Extension Area”). This extension is necessary at this time to ensure that adequate wastewater facilities are in place and that service is available for the residents and businesses that will locate within the Extension Area. Applicant is qualified and prepared to provide the necessary facilities and service to the Extension Area.

Concurrent with this application, Global Water – Santa Cruz Water Company, Inc. (both companies are referred herein as the “Global Utilities”) will file its application for approval of an extension to its CC&N also covering the Extension Area.¹ As in all areas throughout the State of Arizona, water conservation is imperative in the Extension Area. The Global Utilities are recognized leaders in water conservation in Arizona employing techniques known as total water management, which has many elements but primarily is the integration of water, wastewater and recycled water utilities to drive down per capita demand. Through the total water management

¹ One property owned by Pinal County, has requested wastewater service only. Water utility service is currently provided to this property by the Maricopa Domestic Water Improvement District.

1 strategy, the Global Utilities have achieved remarkable reductions in average groundwater use as
2 compared to traditional providers throughout the state. This service model will be implemented in
3 the Extension Area.

4 In support of this Application, Applicant states:

5 1. Applicant is a public service corporation formed for the purpose of providing
6 wastewater utility service in portions of Pinal County, Arizona. Applicant will operate the utility
7 under its legal name: Global Water – Palo Verde Utilities Company, Inc., 21410 N. 19th Avenue,
8 Suite 201, Phoenix, Arizona 85027. The telephone number is 623-580-9600.

9 2. Applicant's management contact is Ron L. Fleming, 21410 N. 19th Avenue, Suite
10 201, Phoenix, Arizona 85027. Mr. Fleming's telephone number is 623-344-2801.

11 3. Applicant's attorneys are Roshka DeWulf & Patten, PLC, whose address is One
12 Arizona Center, 400 East Van Buren Street, Suite 800, Phoenix, Arizona 85004. The individual
13 attorney responsible for this application is Timothy J. Sabo. Mr. Sabo's telephone number is
14 602-256-6100. All Data Requests or other Requests for Information should be directed to Mr.
15 Sabo's attention, on behalf of Applicant.

16 4. Applicant's operator certified by the Arizona Department of Environmental
17 Quality is Patrick Giles, 22590 N. Powers Parkway, Maricopa, Arizona 85138. Mr. Giles'
18 telephone number is 520-233-2908.

19 5. Applicant's on-site manager is Jon Corwin, 22590 N. Powers Parkway, Maricopa,
20 Arizona 85138. Mr. Corwin's telephone number is 520-233-2906.

21 6. Applicant is a "C" corporation, domiciled in Arizona.

22 7. A full list of the names, titles and mailing addresses for Applicant's officers and
23 directors is attached hereto as **Exhibit 2**.

24 8. Applicant's Certificate of Good Standing from the Commission is attached as
25 **Exhibit 3**.

26 9. The number of shares of stock authorized by Applicant is 10,000. The number of
27 shares issued is 1,000 and date of issuance was May 12, 2006.

1 10. Applicant does not have an ownership interest in any other utilities.

2 11. The Extension Area is comprised of approximately 1,413 acres. As noted above,
3 the legal description for the Extension Area is attached as **Exhibit 1**.

4 12. The Extension Area is located entirely within Pinal County. The City of Maricopa
5 (“Maricopa”) has annexed a portion of the Extension Area and portions of the Extension Area are
6 located within five miles of Maricopa. A copy of the notice to be provided to Maricopa is attached
7 as **Exhibit 4**. Portions of the Extension Area are located within five miles of the City of Casa
8 Grande (“Casa Grade”). A copy of the notice to be provided to Casa Grande is attached as **Exhibit**
9 **5**.

10 13. A complete description of the facilities proposed to be constructed within each of
11 the properties comprising the Extension Area, including a preliminary engineering report with
12 specifications in sufficient detail to describe each sewer system, the principal components of each
13 sewer system, and the estimated value of Applicant’s utility plant in service for each property for
14 the first five years following approval of the application is attached as **Exhibit 6**.

15 14. Applicant has received an Aquifer Protection Permit (“APP”) covering the
16 Extension Area. A copy of the APP is attached as **Exhibit 7**.

17 15. The estimated total construction cost of the proposed off-site and on-site facilities,
18 including a detailed description of the proposed construction timeline for facilities, with estimated
19 starting and completion dates, and a description of the separate phases for portions of the
20 construction to be phased is attached as **Exhibit 8**. **Exhibit 8** also includes the estimated value of
21 Applicant’s utility plant in service for each of the first five years following approval of the
22 application. Construction of off-site facilities will be funded first by Hook-Up Fees (HUFs).
23 Construction of off-site facilities in excess of available HUFs will be funded through a combination
24 of debt and equity. On-site facilities will be constructed by the property owners at the time of
25 development as an advance in aid of construction, pursuant to line extension agreements with the
26 property owners.

27

1 16. Documentation establishing the Applicant's financial condition, including the
2 Applicant's current assets and liabilities and an income statement is attached as **Exhibit 9**.

3 17. The estimated annual operating revenues and expenses for the first five years of
4 operation for the Extension Area, expressed separately for residential, commercial, industrial, and
5 irrigation services, and a description of each assumption made to derive the estimates is attached as
6 **Exhibit 10**. The estimated number of customers to be served for each of the first five years of
7 operation, expressed separately for residential, commercial, industrial and irrigation customers,
8 including documentation to support the estimates is included in **Exhibit 8**.

9 18. The rates proposed to be charged for services rendered, are the Applicant's currently
10 authorized rates and charges as approved by the Commission in Decision No. 74364, which are
11 summarized on **Exhibit 11**.

12 19. A copy of a request for service from each property owner within the Extension Area
13 is attached as **Exhibit 12**. There are no property owners within the Extension Area who did not
14 provide a request for service.

15 20. Maps of the Applicant's existing CC&N, the Extension Area, and each property
16 within the Extension Area are attached as **Exhibit 13**.

17 21. Each city, county or state agency approval required by law to construct the proposed
18 facilities or operate the utility within the Extension Area will be provided prior to construction and
19 operation.

20 22. Effluent from the area will be used for beneficial purposes to the greatest extent
21 possible or it may be discharged under a valid AZPDES permit or to a recharge site owned by the
22 Applicant. A full description of effluent reuse and discharge is contained within the APP attached
23 as **Exhibit 7**.

24 23. An e-mail from the Arizona Department of Environmental Quality ("ADEQ"),
25 dated June 17, 2014 confirming that ADEQ no longer prepares compliance status reports for
26 utilities is attached as **Exhibit 14**. To the Applicant's knowledge and belief, it is in compliance
27 with all ADEQ requirements.

24. A wastewater flow data sheet for each wastewater system being extended by Applicant is included as **Exhibit 15**.

25. Applicant's notarized signature is attached as **Exhibit 16**.

WHEREFORE, Applicant respectfully requests that the Commission:

A. Schedule a hearing on this Application as soon as possible; and thereafter

B. Issue a final order:

1. finding that it is in the public interest to extend the CC&N of Palo Verde to include the Extension Area;

2. ordering that Palo Verde's CC&N be extended to include the Extension Area; and

3. granting such other and further relief as may be appropriate under the circumstances herein.

RESPECTFULLY SUBMITTED this 30th day of July 2014.

ROSHKA DEWULF & PATTEN, PLC

By 

Michael W. Patten

Timothy J. Sabo

One Arizona Center

400 East Van Buren Street, Suite 800

Phoenix, Arizona 85004

*Attorneys for Global Water – Palo Verde
Utilities Company*

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Original +13 copies of the foregoing
filed this 30th day of July 2014, with:

Docket Control
Arizona Corporation Commission
1200 West Washington
Phoenix, AZ 85007

Copies of the foregoing hand-delivered/mailed
this 30th day of July 2014, to:

Lyn A. Farmer, Esq.
Chief Administrative Law Judge
Hearing Division
Arizona Corporation Commission
1200 West Washington
Phoenix, AZ 85007

Janice Alward, Esq.
Chief Counsel, Legal Division
Arizona Corporation Commission
1200 West Washington
Phoenix, AZ 85007

Steven M. Olea
Director, Utilities Division
Arizona Corporation Commission
1200 West Washington
Phoenix, AZ 85007

By 



APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

LIST OF EXHIBITS

<u>EXHIBIT NUMBER</u>	<u>DESCRIPTION</u>
1	Legal Descriptions of the Extension Area
2	Applicant's Officer and Director Information
3	Applicant's Certificate of Good Standing from the Arizona Corporation Commission
4	Notice to be sent to City of Maricopa
5	Notice to be sent to City of Casa Grande
6	Pre-Engineering Report for Each Property included in the Application
7	Aquifer Protection Permit
8	Estimated Total Construction Costs and Plant Projections
9	Applicant's General Statement of Financial Condition
10	Estimated Annual Operating Revenue and Expenses for First Five Years
11	Applicant's Tariff – Schedule of Rates and Charges
12	Written Requests for Service
13	Maps of Existing CC&N and Extension Area
14	E-mail Regarding Public Water System Compliance Report
15	Wastewater Flow Data Sheet
16	Notarized Signature of Ron Fleming on behalf of Applicant



APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 1

LEGAL DESCRIPTION OF THE EXTENSION AREA

LEGAL DESCRIPTION
ANDERSON RUSSELL, LLC

EXHIBIT "A"

PARCEL NO. 1:

THAT PORTION OF THE NORTH HALF OF SECTION 23, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, LYING SOUTH AND WEST OF THE RIGHT OF WAY OF SOUTHERN PACIFIC RAILROAD.

PARCEL NO. 2:

THAT PORTION OF THE SOUTHEAST QUARTER AND THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SECTION 23, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, LYING SOUTH AND WEST OF THE RIGHT OF WAY OF SOUTHERN PACIFIC RAILROAD.

PARCEL NO. 3:

THE NORTHEAST QUARTER OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

PARCEL NO. 4:

THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

PARCEL NO. 5:

THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 15 AND THE NORTHEAST QUARTER OF SECTION 22 ALL IN TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, LYING SOUTH AND WEST OF THE RIGHT OF WAY OF THE SOUTHERN PACIFIC RAILROAD;

EXCEPT ANY PORTION LYING IN THE RIGHT OF WAY OF ANDERSON ROAD.

LEGAL DESCRIPTION

CITY OF MARICOPA

DEVELOPMENT NAME: EAGLE WING PAD

EXHIBIT "A"

PARCEL NO. 1:

THAT PORTION OF PARCEL 1 DESCRIBED IN DOCUMENT 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 1, TOWNSHIP 5 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 1;

THENCE NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 1,253.79 FEET ALONG THE EAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 1 TO THE SOUTH LINE OF SAID PARCEL 1 AND THE POINT OF BEGINNING;

THENCE NORTH 80 DEGREES 49 MINUTES 31 SECONDS WEST, A DISTANCE OF 495.48 FEET ALONG SAID SOUTH LINE TO A EASEMENT DESCRIBED AS DOCKET 368, PAGE 478 RECORDS OF PINAL COUNTY, ARIZONA;

THENCE NORTH 67 DEGREES 32 MINUTES 21 SECONDS WEST, A DISTANCE OF 245.15 FEET ALONG THE SOUTH LINE OF SAID EASEMENT AND PARCEL 1;

THENCE NORTH 58 DEGREES 33 MINUTES 21 SECONDS WEST, A DISTANCE OF 313.39 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 48 DEGREES 21 MINUTES 01 SECONDS WEST, A DISTANCE OF 756.83 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 43 DEGREES 52 MINUTES 01 SECONDS WEST, A DISTANCE OF 569.99 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 34 DEGREES 39 MINUTES 01 SECONDS WEST, A DISTANCE OF 615.95 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 32 DEGREES 27 MINUTES 01 SECONDS WEST, A DISTANCE OF 378.38 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 30 DEGREES 55 MINUTES 01 SECONDS WEST, A DISTANCE OF 751.97 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 00 DEGREES 07 MINUTES 59 SECONDS EAST, A DISTANCE OF 192.00 FEET ALONG THE WEST LINE OF SAID EASEMENT AND PARCEL 1;

THENCE DEPARTING PARCEL 1 SOUTH 31 DEGREES 59 MINUTES 01 SECONDS EAST, A DISTANCE OF 1,260.00 FEET ALONG THE NORTH LINE OF SAID EASEMENT;

THENCE SOUTH 36 DEGREES 59 MINUTES 01 SECONDS EAST, A DISTANCE OF 970.00 FEET ALONG SAID NORTH LINE;

THENCE SOUTH 46 DEGREES 59 MINUTES 01 SECONDS EAST, A DISTANCE OF 970.00 FEET ALONG SAID NORTH LINE;

THENCE DEPARTING FROM SAID PARCEL SOUTH 89 DEGREES 46 MINUTES 01 SECONDS EAST, A DISTANCE OF 697.22 FEET;

THENCE NORTH 13 DEGREES 11 MINUTES 06 SECONDS WEST, A DISTANCE OF 1,535.51 FEET;

THENCE NORTH 25 DEGREES 52 MINUTES 03 SECONDS EAST, A DISTANCE OF 754.79 FEET TO THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 50 MINUTES 31 SECONDS EAST, A DISTANCE OF 317.10 FEET ALONG SAID SOUTHEASTERLY LINE TO THE EAST LINE OF SAID SECTION 1;

THENCE SOUTH 00 DEGREES 13 MINUTES 59 SECONDS WEST, A DISTANCE OF 940.89 FEET ALONG THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 1;

THENCE SOUTH 00 DEGREES 13 MINUTES 59 SECONDS WEST, A DISTANCE OF 1,451.26 FEET ALONG SAID EAST LINE OF THE SOUTHEAST QUARTER OF SECTION 1 TO THE POINT OF BEGINNING.

PARCEL NO. 2:

THAT PORTION OF PARCEL 2 DESCRIBED AS DOCUMENT 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 6, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 6;

THENCE NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 840.00 FEET ALONG THE WEST LINE OF SAID SECTION 6 TO THE POINT OF BEGINNING;

THENCE CONTINUING NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 1,865.05 FEET ALONG SAID WEST LINE TO THE WEST QUARTER CORNER OF SAID SECTION 6;

THENCE CONTINUING NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 940.89 FEET ALONG SAID WEST LINE TO THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 50 MINUTES 47 SECONDS EAST, A DISTANCE OF 231.53 FEET ALONG SAID SOUTHWESTERLY LINE TO A LINE THAT IS 187.50 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID SECTION 6;

THENCE SOUTH 00 DEGREES 13 MINUTES 59 SECONDS WEST, A DISTANCE OF 2,697.85 FEET ALONG SAID PARALLEL LINE TO THE NORTHERLY LINE OF A PARCEL DESCRIBED IN DOCKET 372, PAGE 453 RECORDS OF PINAL COUNTY, ARIZONA AND A POINT ON A NON-TANGENT CURVE HAVING A RADIUS THAT BEARS SOUTH 42 DEGREES 11 MINUTES 49 SECONDS WEST, A DISTANCE OF 3,034.79 FEET;

THENCE SOUTHEASTERLY 780.48 FEET ALONG THE ARC OF SAID CURVE AND SAID NORTHERLY LINE, BEING CONCAVE SOUTHWESTERLY, THROUGH A CENTRAL ANGLE OF 14 DEGREES 44 MINUTES 07 SECONDS;

THENCE SOUTH 33 DEGREES 04 MINUTES 04 SECONDS EAST, A DISTANCE OF 260.45 FEET ALONG SAID NORTHERLY LINE TO THE SOUTH LINE OF SAID SECTION 6;

THENCE SOUTH 89 DEGREES 56 MINUTES 41 SECONDS WEST, A DISTANCE OF 258.82 FEET ALONG SAID SOUTH LINE TO THE SOUTHWESTERLY LINE OF SAID PARCEL 2;

THENCE NORTH 34 DEGREES 26 MINUTES 01 SECONDS WEST, A DISTANCE OF 1,017.77 FEET ALONG SAID SOUTHWESTERLY LINE TO THE POINT OF BEGINNING.

PARCEL NO. 3:

THAT PORTION OF PARCEL 2 DESCRIBED IN DOCUMENT 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 7, TOWNSHIP 5 SOUTH. RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 7;

THENCE NORTH 89 DEGREES 56 MINUTES 41 SECONDS EAST, A DISTANCE OF 578.91 FEET ALONG THE NORTH LINE OF SAID SECTION 7 TO A POINT ON THE SOUTHWESTERLY LINE OF SAID PARCEL 2 AND THE POINT OF BEGINNING;

THENCE CONTINUING NORTH 89 DEGREES 56 MINUTES 41 SECONDS EAST, A DISTANCE OF 263.89 FEET ALONG SAID NORTH LINE TO THE NORTHERLY LINE OF AN EASEMENT DESCRIBED AS DOCKET 1410, PAGE 592 RECORDS OF PINAL COUNTY, ARIZONA;

THENCE SOUTH 35 DEGREES 09 MINUTES 45 SECONDS EAST, A DISTANCE OF 2,868.07 FEET ALONG SAID NORTHERLY LINE TO THE EAST LINE OF SAID PARCEL 2;

THENCE SOUTH 00 DEGREES 29 MINUTES 41 SECONDS EAST, A DISTANCE OF 457.08 FEET ALONG SAID EAST LINE TO SAID SOUTHWESTERLY LINE;

THENCE NORTH 34 DEGREES 25 MINUTES 05 SECONDS WEST, A DISTANCE OF 3,396.06 FEET ALONG SAID SOUTHWESTERLY LINE TO THE POINT OF BEGINNING.

LEGAL DESCRIPTION

CITY OF MARICOPA

DEVELOPMENT NAME: ESTRELLA GIN

EXHIBIT A

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF PINAL, STATE OF ARIZONA, AND IS DESCRIBED AS FOLLOWS:

The Northeast quarter of the Southwest quarter; AND the Southeast quarter of the Northwest quarter of Section 21, Township 4 South, Range 3 East of the Gila and Salty River Meridian, Pinal County, Arizona, lying North of the Southern Pacific Railroad right of way.

Except those portions conveyed to Pinal County, Arizona in Quit Claim Deeds recorded in Docket 973, Page 345 and Docket 1018, Page 934; and

ALSO Except that portion described as follows:

Commencing at the Northwest corner of the Southeast quarter of the Northwest quarter of said Section 21;

Thence South along the West line of said Southeast quarter of the Northwest quarter of Section 21, a distance of 945.00 feet to the TRUE POINT OF BEGINNING;

Thence East along a line perpendicular to said West line, a distance of 70.00 feet to a point on a line 70 feet East of and parallel with the West line of the Southeast quarter of the Northwest quarter of Section 21;

Thence South along said line, a distance of 50.00 feet;

Thence West along a line perpendicular to the West line of said Southeast quarter of the Northwest quarter of Section 21, a distance of 70.00 feet to a point on said West line;

Thence North along the West line of said Southeast quarter of the Northwest quarter of Section 21, a distance of 50.00 feet to the POINT OF BEGINNING; and

ALSO Except that portion described as follows:

Commencing at the Arizona Department of Transportation aluminum cap in handhole marking the North quarter corner of said Section 21 from which the Arizona Department of Transportation aluminum cap in handhole marking the Northeast corner of said Section 21 bears North 89 degrees 38 minutes 51 seconds East, a distance of 2714.34 feet;

Thence South 00 degrees 31 minutes 04 seconds East, along the North-South mid-section line of said Section 21, a distance of 2066.95 feet to the TRUE POINT OF BEGINNING;

Thence continuing South 00 degrees 31 minutes 04 seconds East, along said North-South mid-section line of said Section 21, a distance of 563.37 feet to the 1 ¼ inch iron pipe marking the center of said Section 21;

Thence South 89 degrees 53 minutes 52 seconds West, along the East-West mid-section line of said Section 21, a distance of 30.00 feet to a point on a line which is parallel with and 30.00 feet Westerly, as measured at right angle from the North-South mid-section line of said Section 21;

Thence North 00 degrees 31 minutes 04 seconds West, along said parallel line, a distance of 371.06 feet to the beginning of a tangent curve of 630.00 foot radius, concave Southeasterly;

Thence Northeasterly, along said curve, through a central angle of 17 degrees 45 minutes 10 seconds, a distance of 195.20 feet to the POINT OF BEGINNING.

APN: 510-17-005E-6

LEGAL DESCRIPTION

EL DORADO HOLDINGS, INC.

DEVELOPMENT NAME: EAGLE WING PAD

EXHIBIT "A"

PARCEL NO. 1: Assessor Parcel #510-49-002B 130.3 acres

THAT PORTION OF PARCEL 1 DESCRIBED IN DOCUMENT RECORDED AS 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 1, TOWNSHIP 5 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 1;

THENCE SOUTH 89 DEGREES 57 MINUTES 17 SECONDS EAST, A DISTANCE OF 2,377.67 FEET ALONG THE NORTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 1 TO THE NORTHWEST CORNER OF SAID PARCEL 1 AND THE POINT OF BEGINNING;

THENCE CONTINUING SOUTH 89 DEGREES 57 MINUTES 17 SECONDS EAST ALONG SAID NORTH LINE, A DISTANCE OF 259.66 FEET TO THE NORTH QUARTER CORNER OF SAID SECTION 1;

THENCE CONTINUING SOUTH 89 DEGREES 57 MINUTES 17 SECONDS EAST ALONG THE NORTH LINE OF THE NORTHEAST CORNER OF SAID SECTION 1, A DISTANCE OF 222.09 FEET TO THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 49 MINUTES 05 SECONDS EAST, ALONG SAID SOUTHWESTERLY RIGHT OF WAY LINE A DISTANCE OF 2,666.32 FEET TO THE WESTERLY LINE OF A PARCEL OF LAND DEEDED TO THE CITY OF MARICOPA IN DEED RECORDED AS 2010-114179 OF OFFICIAL RECORDS PINAL COUNTY RECORDS;

THENCE SOUTH 25 DEGREES 52 MINUTES 03 SECONDS WEST, A DISTANCE OF 755.50 FEET ALONG THE WEST LINE OF SAID PARCEL;

THENCE SOUTH 13 DEGREES 11 MINUTES 06 SECONDS EAST, A DISTANCE OF 1,535.51 FEET ALONG THE WEST LINE OF SAID PARCEL;

THENCE NORTH 89 DEGREES 46 MINUTES 01 SECONDS WEST, A DISTANCE OF 697.22 FEET ALONG THE NORTHERLY LINE OF SAID PARCEL;

THENCE NORTH 46 DEGREES 59 MINUTES 01 SECONDS WEST, ALONG SAID NORTH LINE, A DISTANCE OF 970.00 FEET ALONG THE NORTHERLY LINE OF SAID PARCEL;

THENCE NORTH 36 DEGREES 59 MINUTES 01 SECONDS WEST, CONTINUING ALONG SAID NORTH LINE, A DISTANCE OF 970.00 FEET;

THENCE NORTH 31 DEGREES 59 MINUTES 01 SECONDS WEST, CONTINUING ALONG SAID NORTH LINE, A DISTANCE OF 1,260.00 FEET TO A POINT ON THE WESTERLY LINE OF SAID PARCEL 1;

THENCE NORTH 00 DEGREES 07 MINUTES 59 SECONDS EAST, ALONG SAID WESTERLY LINE A DISTANCE OF 1,241.13 FEET TO THE POINT OF BEGINNING.

PARCEL NO. 2: Assessor Parcel #502-42-002B 134.3 acres

THAT PORTION OF PARCEL 2 DESCRIBED IN DOCUMENT RECORDED AS 2005-066538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 6, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 6;

THENCE NORTH 89 DEGREES 56 MINUTES 52 SECONDS EAST, ALONG THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 6, A DISTANCE OF 837.76 FEET TO A POINT ON THE NORTHERLY LINE OF A PARCEL DEEDED TO THE CITY OF MARICOPA IN DEED RECORDED AS 2010-114179 OF OFFICIAL RECORDS AND THE POINT OF BEGINNING;

THENCE NORTH 33 DEGREES 04 MINUTES 04 SECONDS WEST, ALONG SAID NORTHERLY LINE, A DISTANCE OF 260.50 FEET TO THE BEGINNING OF A TANGENT CURVE;

THENCE NORTHWESTERLY 780.48 FEET ALONG THE ARC OF SAID CURVE AND SAID NORTHERLY LINE, BEING CONCAVE TO THE SOUTHWEST, HAVING A RADIUS OF 3,034.79 FEET, THROUGH A CENTRAL ANGLE OF 14 DEGREE 44 MINUTES 07 SECONDS;

THENCE NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, BEING PARALLEL WITH AND 187.50 FEET EAST OF THE WEST LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 1,890.86 FEET ALONG THE EASTERLY LINE OF SAID PARCEL;

THENCE NORTH 00 DEGREES 18 MINUTES 31 SECONDS EAST, A DISTANCE OF 806.89 FEET ALONG SAID EASTERLY LINE TO A POINT ON THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 49 MINUTES 05 SECONDS EAST, ALONG SAID SOUTHWESTERLY RIGHT OF WAY LINE, A DISTANCE OF 2,854.30 FEET TO THE NORTHEAST CORNER OF SAID PARCEL 2;

THENCE SOUTH 01 DEGREES 01 MINUTES 53 SECONDS WEST, ALONG THE EASTERLY LINE OF SAID PARCEL 2, A DISTANCE OF 1,822.10 FEET TO A POINT ON THE SOUTH LINE OF SAID SOUTHWEST QUARTER;

THENCE SOUTH 89 DEGREES 56 MINUTES 52 SECONDS WEST, ALONG SAID SOUTH LINE, A DISTANCE OF 1,636.12 FEET TO THE POINT OF BEGINNING.

PARCEL NO. 3: Assessor Parcel #502-43-003A 43.9 acres

THAT PORTION OF PARCEL 2 DESCRIBED IN DOCUMENT RECORDED AS 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 7, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 7;

THENCE NORTH 89 DEGREES 56 MINUTES 52 SECONDS EAST, ALONG THE NORTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 7, A DISTANCE OF 842.83 FEET TO A POINT ON THE NORTHERLY LINE OF A PARCEL DEEDED TO THE CITY OF MARICOPA IN DEED RECORDED AS 2010-114179 OF OFFICIAL RECORDS AND THE POINT OF BEGINNING;

THENCE CONTINUING NORTH 89 DEGREES 56 MINUTES 52 SECONDS EAST ALONG SAID NORTH LINE, A DISTANCE OF 1,631.05 FEET TO A POINT ON THE EASTERLY LINE OF SAID PARCEL 2;

THENCE SOUTH 00 DEGREES 30 MINUTES 08 SECONDS EAST, ALONG SAID EASTERLY LINE, A DISTANCE OF 2,346.17 FEET TO A POINT ON SAID NORTHERLY LINE;

THENCE NORTH 35 DEGREES 09 MINUTES 45 SECONDS WEST, ALONG SAID NORTHERLY LINE, A DISTANCE OF 2,867.91 FEET TO THE POINT OF BEGINNING.

EXHIBIT A

PINAL FEEDING
JN 04-1085

Assessor Parcel #502-06-009B

LEGAL DESCRIPTION

PHASE 1

THAT PORTION OF SECTION 8, TOWNSHIP 5 SOUTH, RANGE 4 EAST, OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

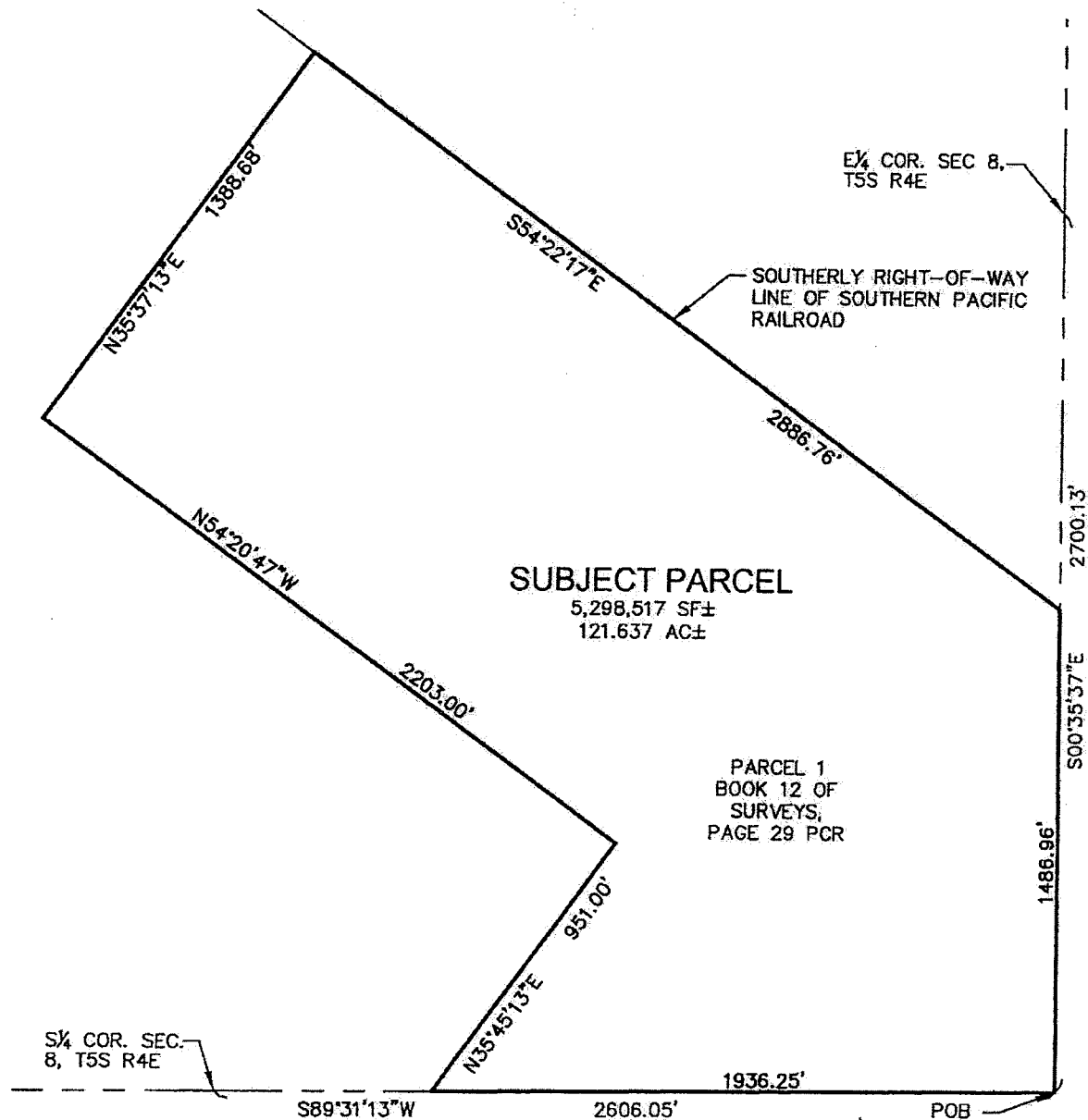
BEGINNING AT THE SOUTHEAST CORNER OF SAID SECTION 8;
THENCE S89°31'13"W, ALONG THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 8, A DISTANCE OF 1,936.25 FEET TO THE SOUTHWEST CORNER OF PARCEL 1, AS SHOWN IN BOOK 12 OF SURVEYS, PAGE 29, RECORDS OF PINAL COUNTY;
THENCE N35°45'13"E, ALONG THE WESTERLY LINE OF SAID PARCEL 1, A DISTANCE OF 951.00 FEET;
THENCE N54°20'47"W, ALONG SAID WESTERLY LINE, A DISTANCE OF 2,203.00 FEET;
THENCE N35°37'13"E, ALONG NORTHWESTERLY LINE OF SAID PARCEL 1, A DISTANCE OF 1,388.68 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;
THENCE S54°22'17"E, ALONG SAID SOUTHERLY LINE, A DISTANCE OF 2,886.76 FEET TO A POINT ON THE EAST LINE OF SAID SECTION 8;
THENCE LEAVING SAID SOUTH LINE S00°35'37"E, ALONG SAID EAST LINE A DISTANCE OF 1,486.96 FEET TO THE **POINT OF BEGINNING**.

SAID PARCEL CONTAINS 5,298,517 SQUARE FEET OR 121.637 ACRES, MORE OR LESS.

OLSSON ASSOCIATES
7250 NORTH 16TH STREET, SUITE 210
PHOENIX, ARIZONA 85020
(602) 748-1000



LEGAL DESCRIPTION PHASE 1



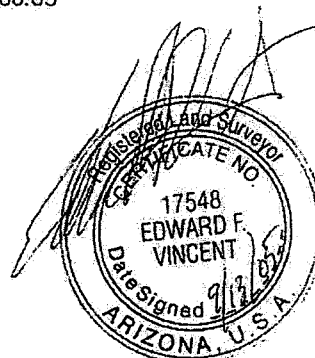
OLSSON ASSOCIATES

ENGINEERS - PLANNERS - SCIENTISTS - SURVEYORS
7250 NORTH 16TH STREET, SUITE 210 - PHOENIX, ARIZONA 85020
602-748-1000 - FAX 602-748-1001

LINCOLN OMAHA GRAND ISLAND HOLDREGE KANSAS CITY PHOENIX DENVER

PROJECT NUMBER: 04-1085

DATE: 8-08-05



NTS

LEGAL DESCRIPTION

PINAL COUNTY

DEVELOPMENT NAME: RECYCLING ASSOCIATION OF MARICOPA

*** CERTIFICATE OF RECORDING ***

STATE OF ARIZONA, COUNTY OF PINAL (SS)
I HEREBY CERTIFY THAT THE WITHIN INSTRUMENT WAS FILED FOR RECORD IN
PINAL COUNTY, STATE OF ARIZONA. WITNESS MY HAND AND OFFICIAL SEAL



NO: 787415 TIME: 0905 01MAR85 PAGES: 001 FEE: \$
KATHLEEN C. FELIX
PINAL COUNTY RECORDER, BY *[Signature]* DEPUTY

① N.C.

787415

STATE OF ARIZONA } County of	ss. I hereby certify that the within instrument was filed and recorded In DOCKET 1272-511 and indexed in deeds.	Fee No.
At the request of When recorded, mail to Pinal County Highway Department P. O. Box 727 Florence, Arizona 85232	Witness my hand and official seal. County Recorder By Deputy Recorder	Compared Photostated Fee.

Order No. Maricopa Transfer Station **WARRANTY DEED**

For the consideration of Ten and 00/100 Dollars, and other valuable considerations, I or we,

Raymond H. Lacy and Maybelle E. Lacy

the GRANTORS

do hereby convey to Pinal County

the GRANTEES

the following described real property situate in Pinal

County, Arizona:

The South 264 feet of the West half of the West half of the Southwest quarter
of the Southwest quarter of Section 21, Township 4 South, Range 3 East of
Gila and Salt River Base and Meridian, Pinal County, Arizona containing 2.00 acres ±

And the Grantor do warrant the title against all persons whomsoever, subject to the matters above
set forth.

Dated this 28th day of February

[Signature: Raymond H. Lacy]
Raymond H. Lacy
[Signature: Maybelle E. Lacy]
Maybelle E. Lacy



This instrument was acknowledged before me this 28th day of
February by the Grantors

Raymond H. Lacy and Maybelle E. Lacy

[Signature: Rodney W. Hampton]
Notary Public

My commission will expire: January 10, 1986

STATE OF ARIZONA }
County of } ss. This instrument was acknowledged before me this day of
by the Grantors

My commission will expire

Notary Public

LEGAL DESCRIPTION

SANTA CRUZ LAND DEVELOPMENT, LLC

Exhibit A

LEGAL DESCRIPTION

PARCEL NO. 1

THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 4 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA; EXCEPTING THEREFROM ANY PORTION LYING WITHIN THE SOUTHERN PACIFIC RAILROAD RIGHT OF WAY.

PARCEL NO. 2

THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 4 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA; EXCEPTING THEREFROM ANY PORTION LYING WITHIN THE FOLLOWING DESCRIBED PARCEL AS CONVEYED TO THE STATE OF ARIZONA, BY AND THROUGH ITS DEPARTMENT OF TRANSPORTATION, IN DOCKET 1495, PAGE 17, DESCRIBED AS FOLLOWS: THAT PORTION OF THE NORTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 21, WHICH LIES BETWEEN THE SOUTH LINE OF THE EXISTING 33.00 FOOT PUBLIC HIGHWAY RIGHT OF WAY AND THE FOLLOWING DESCRIBED LINE:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 21;
THENCE SOUTH 00 DEGREES 52 MINUTES 48 SECONDS EAST A DISTANCE OF 50.00 FEET
ALONG THE WEST LINE OF SAID OF SAID SECTION 21, TO THE POINT OF BEGINNING;
THENCE NORTH 89 DEGREES 39 MINUTES 03 SECONDS EAST A DISTANCE OF 2900 FEET TO
HE TERMINUS OF SAID LINE; AND

EXCEPT ANY PORTION OF FEE INTEREST IN AND TO SAID PUBLIC HIGHWAY RIGHT OF WAY, AS
CONVEYED IN DOCKET 1957, PAGE 17; AND

EXCEPTING THEREFROM ANY PORTION OF THE NORTHWEST QUARTER OF THE NORTHWEST
QUARTER OF SECTION 21, AS CONVEYED IN INSTRUMENT NO. 1997-044070, TO MARICOPA
DOMESTIC WATER IMPROVEMENT DISTRICT, A POLITICAL SUBDIVISION OF PINAL COUNTY,
ARIZONA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE NORTHWEST
QUARTER OF SECTION 21;

THENCE SOUTH ALONG THE EAST LINE OF SAID NORTHWEST QUARTER OF THE NORTHWEST
QUARTER A DISTANCE OF 50.00 FEET TO A POINT ON A LINE 50 FEET SOUTH OF AND
PARALLEL WITH THE NORTH LINE OF THE NORTHWEST QUARTER, SAID POINT BEING THE POINT
OF BEGINNING;

THENCE CONTINUING SOUTH ALONG SAID EAST LINE A DISTANCE OF 50.00 FEET TO A POINT
ON A LINE PARALLEL WITH THE NORTH LINE OF SAID NORTHWEST QUARTER;

THENCE WEST ALONG SAID LINE A DISTANCE OF 50.00 FEET;

THENCE NORTH ALONG A LINE PARALLEL TO THE EAST LINE OF THE NORTHWEST QUARTER OF
THE NORTHWEST QUARTER A DISTANCE OF 50.00 FEET TO A POINT ON A LINE 50 FEET SOUTH
OF AND PARALLEL WITH THE NORTH LINE OF THE NORTHWEST QUARTER;

THENCE EAST ALONG SAID LINE A DISTANCE OF 50.00 FEET TO THE POINT OF BEGINNING.



APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 2

APPLICANT'S OFFICER AND DIRECTOR INFORMATION

APPLICANT'S OFFICER AND DIRECTOR INFORMATION

OFFICERS

Ron Fleming, President
21410 N. 19th Avenue, Suite 201
Phoenix, Arizona 85027

Mike Liebman, Secretary
21410 N. 19th Avenue, Suite 201
Phoenix, Arizona 85027

DIRECTORS

Ron Fleming
21410 N. 19th Avenue, Suite 201
Phoenix, Arizona 85027

Mike Liebman
21410 N. 19th Avenue, Suite 201
Phoenix, Arizona 85027



GLOBAL WATER
RELIABLE • RENEWABLE • REUSABLE

APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 3

**APPLICANT'S CERTIFICATE OF GOOD STANDING FROM
THE ARIZONA CORPORATION COMMISSION**

STATE OF ARIZONA



Office of the CORPORATION COMMISSION

CERTIFICATE OF GOOD STANDING

To all to whom these presents shall come, greeting:

I, Jodi A. Jerich, Executive Director of the Arizona Corporation Commission, do hereby certify that

*****GLOBAL WATER - PALO VERDE UTILITIES COMPANY*****

a domestic corporation organized under the laws of the State of Arizona, did incorporate on December 7, 2005.

I further certify that according to the records of the Arizona Corporation Commission, as of the date set forth hereunder, the said corporation is not administratively dissolved for failure to comply with the provisions of the Arizona Business Corporation Act; and that its most recent Annual Report, subject to the provisions of A.R.S. sections 10-122, 10-123, 10-125 & 10-1622, has been delivered to the Arizona Corporation Commission for filing; and that the said corporation has not filed Articles of Dissolution as of the date of this certificate.

This certificate relates only to the legal existence of the above named entity as of the date issued. This certificate is not to be construed as an endorsement, recommendation, or notice of approval of the entity's condition or business activities and practices.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Arizona Corporation Commission. Done at Phoenix, the Capital, this 16th Day of June, 2014, A. D.



Jodi A. Jerich
Jodi A. Jerich, Executive Director

By: 1079805



APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 4

**NOTICE TO BE SENT TO
CITY OF MARICOPA**



DATE

Mr. Gregory Rose, City Manager
City of Maricopa
39700 W. Civic Center Plaza
Maricopa, AZ 85138

Re: Global Water – Palo Verde Utilities Company, Inc.
Notice of Filing Application for Extension of Certificate of Convenience and Necessity
Docket No. _____

Dear Mr. Rose:

This letter serves as official notice that Global Water – Palo Verde Utilities Company, Inc. ("Applicant") has filed an application for an extension of its Certificate of Convenience and Necessity (CC&N). The corporate limits of the City of Maricopa overlap with or are within five miles of the proposed extension area, as shown on the map attached as Exhibit A.

The Applicant's legal name, mailing address, and telephone number is as follows:

Global Water – Palo Verde Utilities Company, Inc.
Attn: Ron Fleming, President
21410 N. 19th Ave., Suite 201
Phoenix, AZ 85027
Telephone Number: 623-344-2801

The application has been filed as of _____.

If the application is approved, the Applicant intends to provide potable water service to residential and commercial accounts within the proposed extension area. A copy of the legal description of properties within the proposed extension area is attached as Exhibit B.

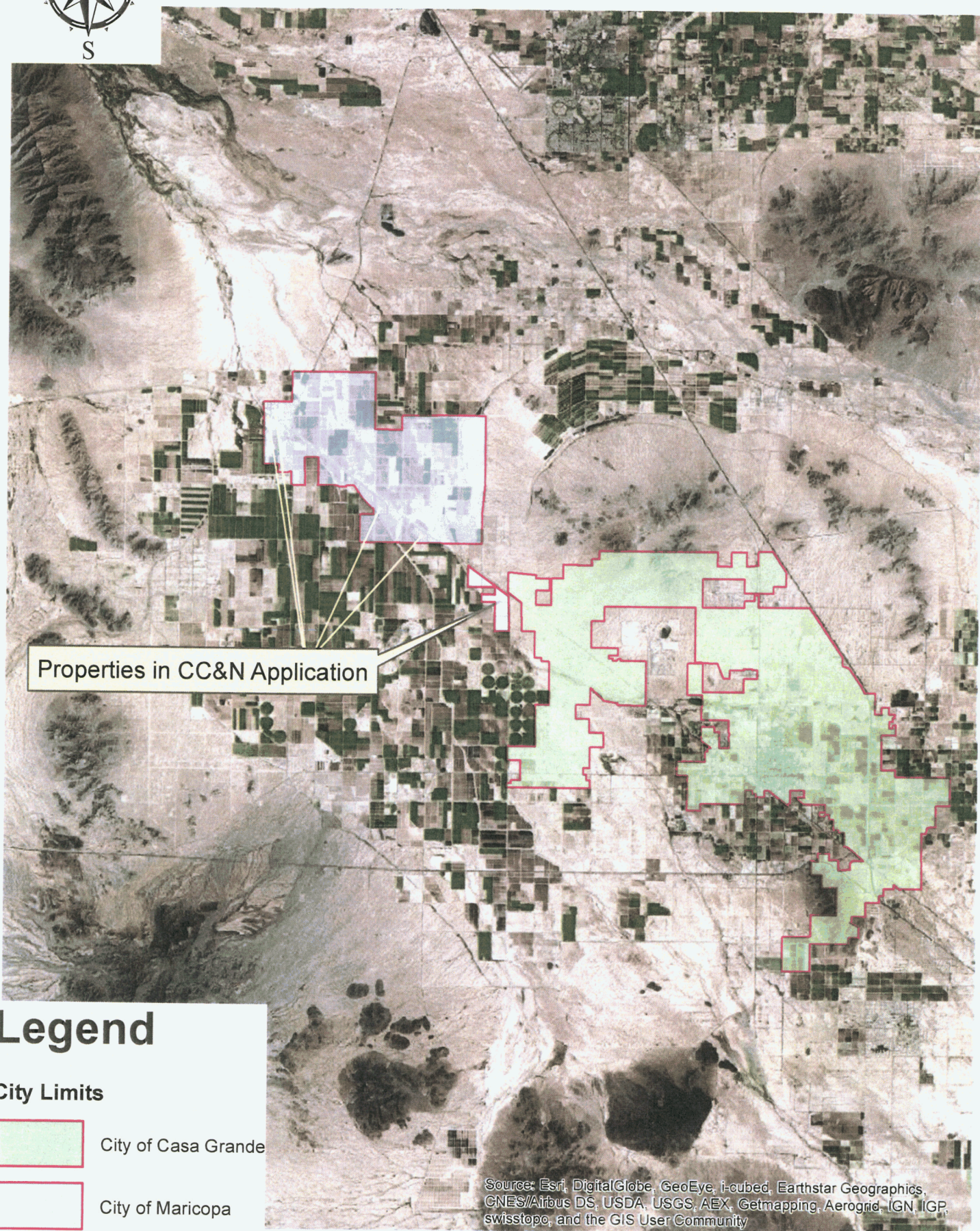
A copy of the application can be found on the ACC website, <http://edocket.azcc.gov>, under the docket number _____.

Sincerely,

Ron L. Fleming
President



PROPOSED CC&N EXPANSION CITY LIMITS





APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 5

**NOTICE TO BE SENT TO
CITY OF CASA GRANDE**



DATE

Mr. James Thompson, City Manager
510 E. Florence Blvd.
Casa Grande, AZ 85122

Re: Global Water – Palo Verde Utilities Company, Inc.
Notice of Filing Application for Extension of Certificate of Convenience and Necessity
Docket No. _____

Dear Mr. Thompson:

This letter serves as official notice that Global Water – Palo Verde Utilities Company, Inc. (“Applicant”) has filed an application for an extension of its Certificate of Convenience and Necessity (CC&N). The corporate limits of the City of Maricopa overlap with or are within five miles of the proposed extension area, as shown on the map attached as Exhibit A.

The Applicant’s legal name, mailing address, and telephone number is as follows:

Global Water – Palo Verde Utilities Company, Inc.
Attn: Ron Fleming, President
21410 N. 19th Ave., Suite 201
Phoenix, AZ 85027
Telephone Number: 623-344-2801

The application has been filed as of _____.

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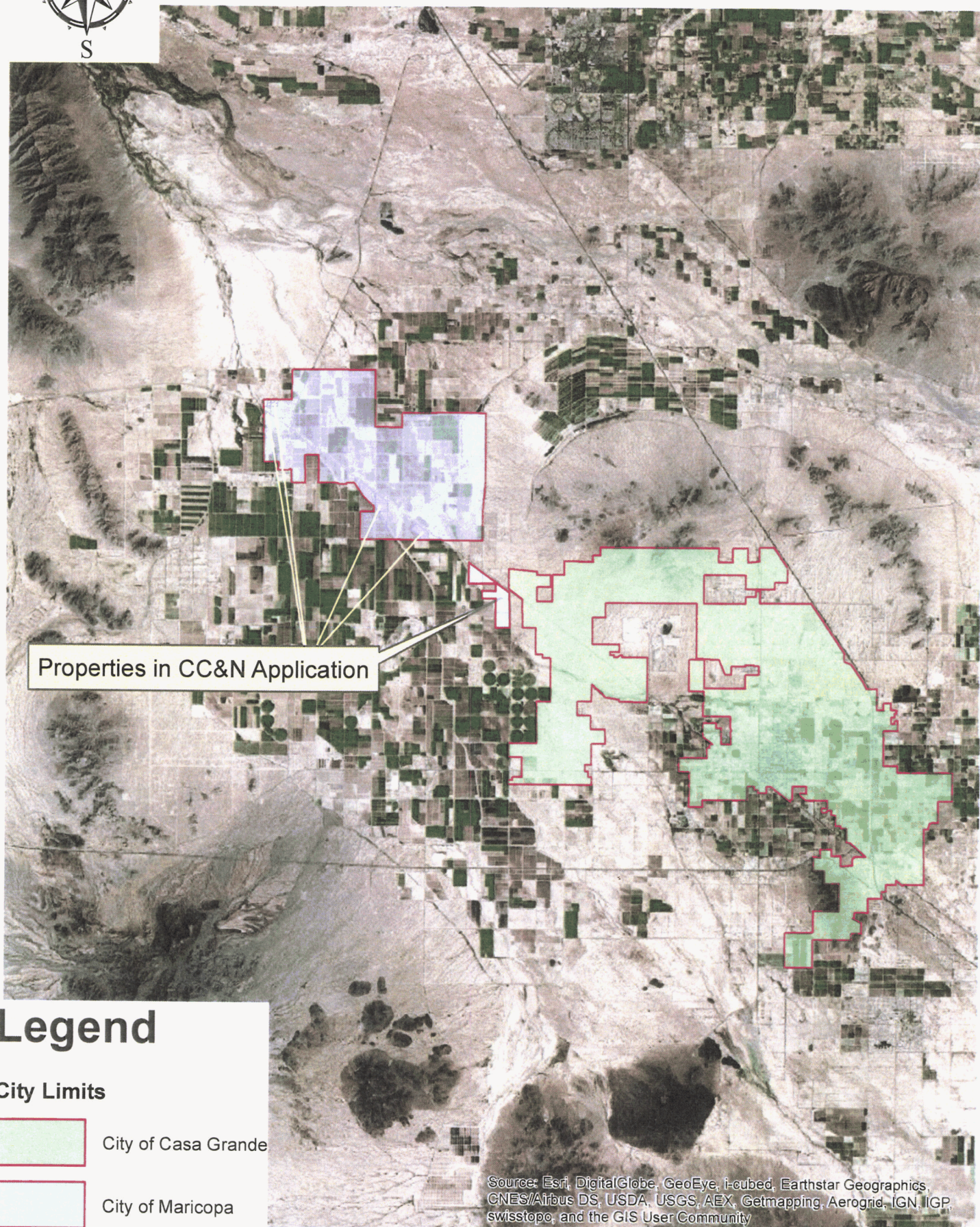
A copy of the application can be found on the ACC website, <http://edocket.azcc.gov>, under the docket number _____.

Sincerely,

Ron L. Fleming
President



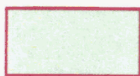
PROPOSED CC&N EXPANSION CITY LIMITS



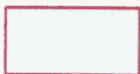
Properties in CC&N Application

Legend

City Limits



City of Casa Grande



City of Maricopa

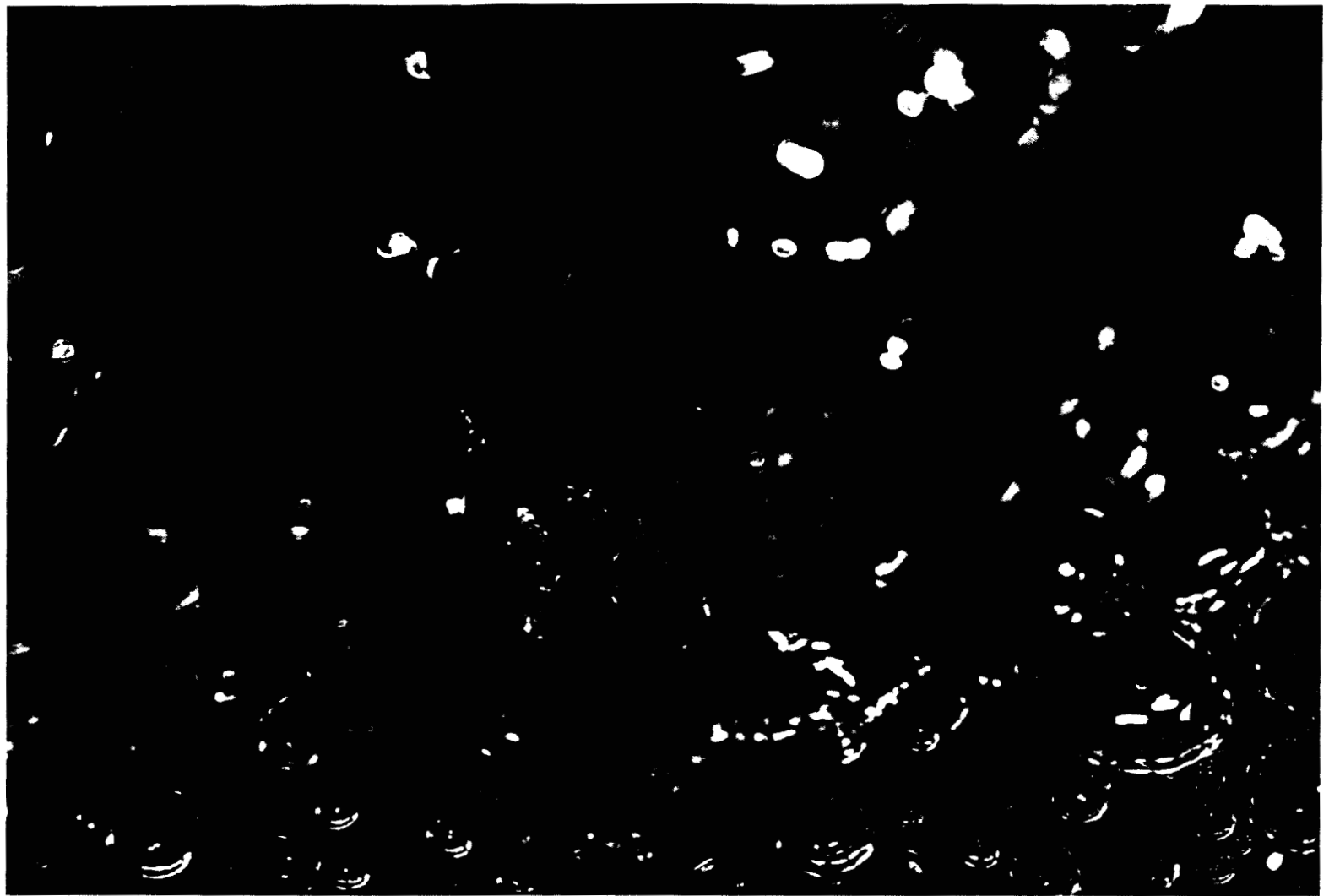
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 6

**PRE-ENGINEERING SEWER REPORT FOR EACH PROPERTY INCLUDED IN
APPLICATION**



**Global Water - Palo Verde Utilities
Company
2014 CC&N Expansion
Anderson Russell, LLC**



GLOBAL WATER
RELIABLE • RENEWABLE • REUSABLE

**PRELIMINARY ENGINEERING REPORT
SEWER CC&N EXPANSION**

**ANDERSON RUSSELL, LLC PROPERTY
LOCATED WITHIN**

**SECTION 22, T5S, R4E
SECTION 23, T5S, R4E
SECTION 26, T5S, R4E
PINAL COUNTY, ARIZONA**

JULY, 2014

Prepared for:
**ANDERSON RUSSELL, LLC
14400 N. 76TH PLACE
SCOTTSDALE, AZ 85260**

Prepared By:
Global Water – Palo Verde Utilities Company

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PROJECT SUMMARY

Anderson Russell, LLC's property (the "Property") is 745 acres of undeveloped land. The Property will be provided wastewater service from Global Water - Palo Verde Utilities Company (PVUC). PVUC has filed an application with the Arizona Corporation Commission with the intention to extend its Certificate of Convenience and Necessity ("CC&N") service area to include the Property.

The Property consists primarily of Residential Use with a small amount of Commercial and Mixed Use. Design criteria will be in accordance with the requirements of the most recent version of Global Water's Standards for Planning, Design and Construction. These standards can be found online at www.gwresources.com.

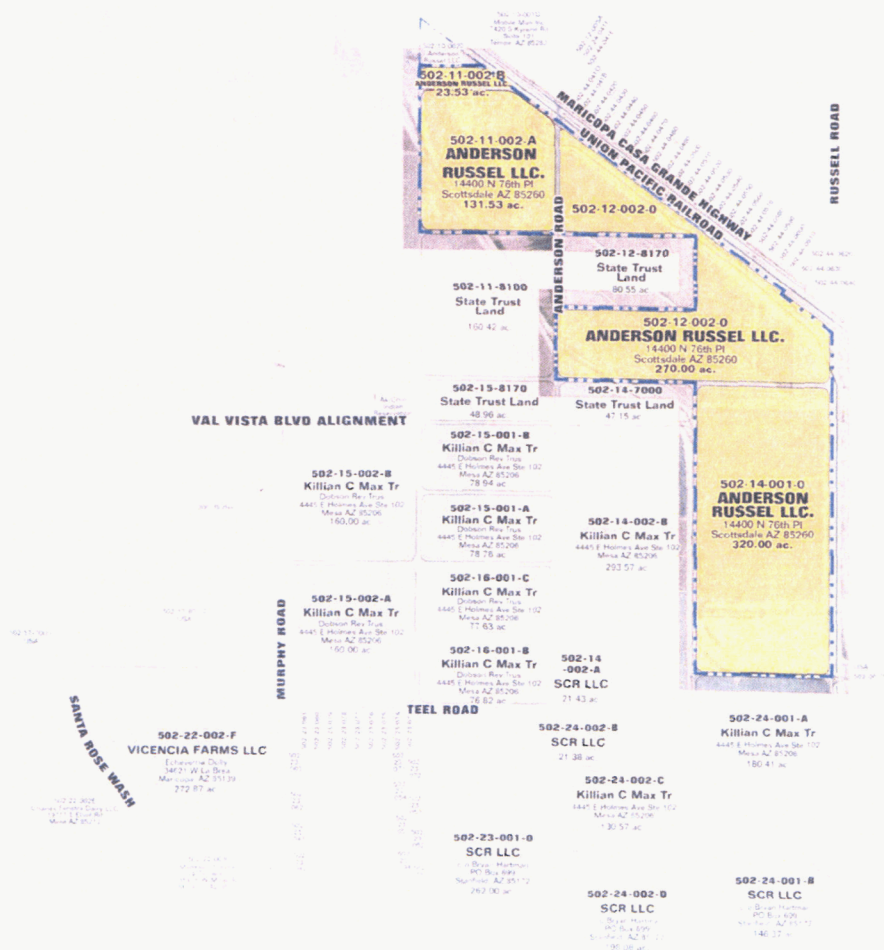
To provide sewer service to the Property, a 24" sewer line will be extended to the North side of the Property along the Anderson Road alignment.

At this time, a final design has not been completed and an accurate wastewater model cannot be provided. Therefore, demands have been estimated based upon pre-engineering analysis.

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion: Anderson Russell, LLC

PROJECT LOCATION

The Property is located South of the Maricopa/Casa Grande Highway, North of Teel Road and Russell Road to the East, in Section 22, Township 5 South, Range 4 East, and Section 23, Township 5 South, Range 4 East, and Section 26, Township 5 South, Range 4 East of the Gila and Salt River Base Meridian, Pinal County, Arizona and within the incorporated City of Maricopa. The Property is bound by the Union Pacific Railroad to the North, Russell Road to the East, and Teel Road to the South.



South Maricopa Anderson
Corridor Annexation

Pinal County Assessor's Map of Annexation Property

Exhibit C

10 December 2013

CVL

**Global Water - Palo Verde Utilities Company
2014 CC&N Expansion: Anderson Russell, LLC**

LEGAL DESCRIPTION

First American Title

No. NCS-

EXHIBIT "A"

PARCEL NO. 1:

THAT PORTION OF THE NORTH HALF OF SECTION 23, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, LYING SOUTH AND WEST OF THE RIGHT OF WAY OF SOUTHERN PACIFIC RAILROAD.

PARCEL NO. 2:

THAT PORTION OF THE SOUTHEAST QUARTER AND THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SECTION 23, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, LYING SOUTH AND WEST OF THE RIGHT OF WAY OF SOUTHERN PACIFIC RAILROAD.

PARCEL NO. 3:

THE NORTHEAST QUARTER OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

PARCEL NO. 4:

THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

PARCEL NO. 5:

THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 15 AND THE NORTHEAST QUARTER OF SECTION 22 ALL IN TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, LYING SOUTH AND WEST OF THE RIGHT OF WAY OF THE SOUTHERN PACIFIC RAILROAD;

EXCEPT ANY PORTION LYING IN THE RIGHT OF WAY OF ANDERSON ROAD.

Page 3

First American Title

TOPOGRAPHIC CONDITIONS

LEGAL DESCRIPTION

ALTA/ACSM LAND TITLE SURVEY
LOCATED IN SECTION 15, SECTION 22, SECTION 23, AND SECTION 26,
TOWNSHIP 5 SOUTH, RANGE 4 EAST, OF THE GILA AND SALT RIVER MERIDIAN,
PINAL COUNTY, ARIZONA

TITLE COMPANY NOTE

THIS SURVEY WAS COMPLETED BY THE SURVEYOR ON 07/14/2014. THE SURVEYOR HAS REVIEWED THE RECORDS OF THE SURVEY AND HAS DETERMINED THAT THE SURVEY IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ARIZONA SURVEYING ACT.

UTILITY STATEMENT

THE SURVEYOR HAS REVIEWED THE RECORDS OF THE SURVEY AND HAS DETERMINED THAT THE SURVEY IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ARIZONA SURVEYING ACT.

EXCEPTIONS TO TITLE

THE SURVEYOR HAS REVIEWED THE RECORDS OF THE SURVEY AND HAS DETERMINED THAT THE SURVEY IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ARIZONA SURVEYING ACT.

NOTES

1. THE SURVEYOR HAS REVIEWED THE RECORDS OF THE SURVEY AND HAS DETERMINED THAT THE SURVEY IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ARIZONA SURVEYING ACT.

NEIGHBORHOOD MAP

LEGAL DESCRIPTION

ALTA/ACSM LAND TITLE SURVEY
LOCATED IN SECTION 15, SECTION 22, SECTION 23, AND SECTION 26,
TOWNSHIP 5 SOUTH, RANGE 4 EAST, OF THE GILA AND SALT RIVER MERIDIAN,
PINAL COUNTY, ARIZONA

TITLE COMPANY NOTE

THIS SURVEY WAS COMPLETED BY THE SURVEYOR ON 07/14/2014. THE SURVEYOR HAS REVIEWED THE RECORDS OF THE SURVEY AND HAS DETERMINED THAT THE SURVEY IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ARIZONA SURVEYING ACT.

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EXCEPTIONS TO TITLE

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NEIGHBORHOOD MAP

LEGAL DESCRIPTION

ALTA/ACSM LAND TITLE SURVEY
LOCATED IN SECTION 15, SECTION 22, SECTION 23, AND SECTION 26,
TOWNSHIP 5 SOUTH, RANGE 4 EAST, OF THE GILA AND SALT RIVER MERIDIAN,
PINAL COUNTY, ARIZONA

TITLE COMPANY NOTE

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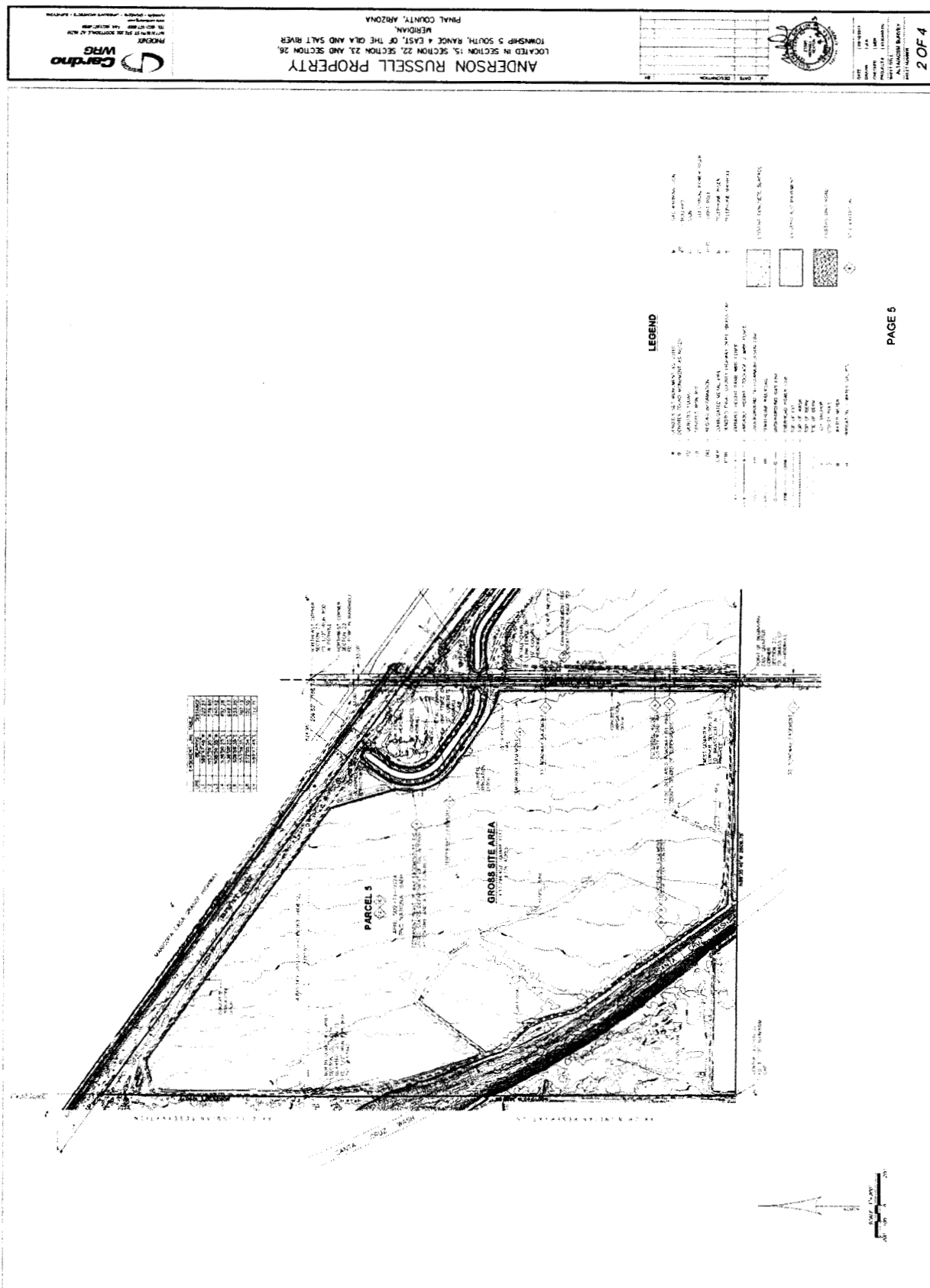
EXCEPTIONS TO TITLE

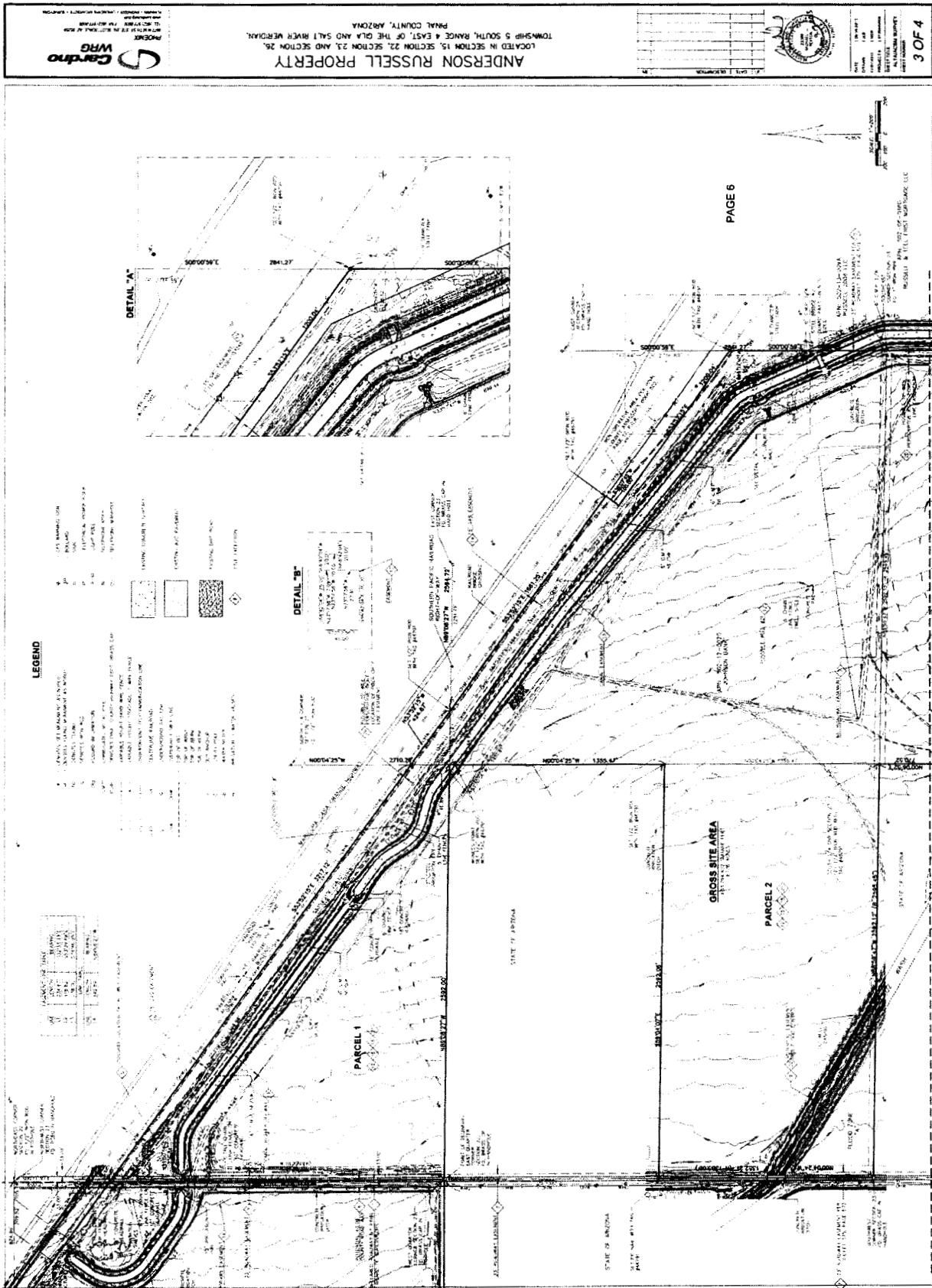
THE SURVEYOR HAS REVIEWED THE RECORDS OF THE SURVEY AND HAS DETERMINED THAT THE SURVEY IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ARIZONA SURVEYING ACT.

NOTES

1. THE SURVEYOR HAS REVIEWED THE RECORDS OF THE SURVEY AND HAS DETERMINED THAT THE SURVEY IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ARIZONA SURVEYING ACT.

NEIGHBORHOOD MAP





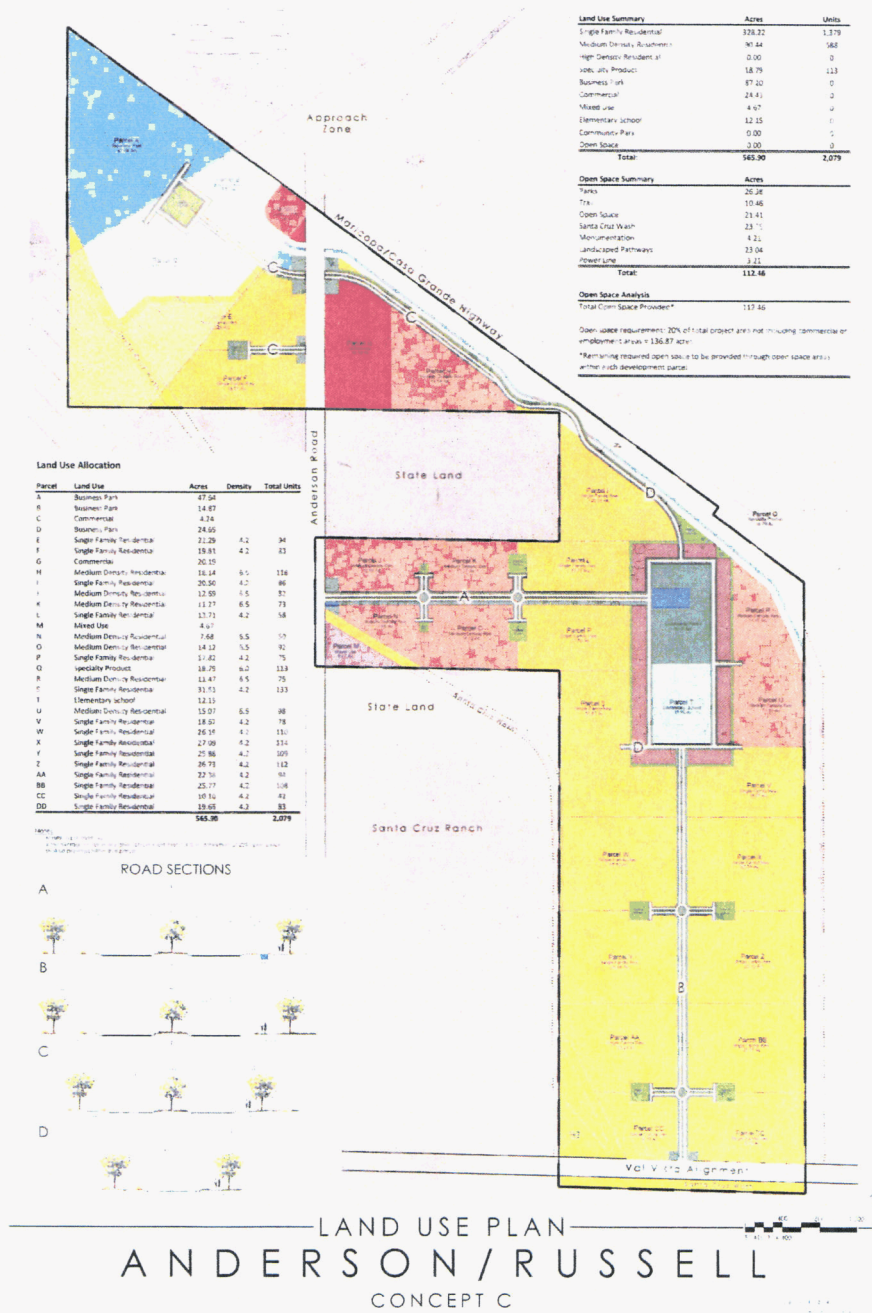
1. The first step is to identify the problem. This involves understanding the current situation, identifying the problem, and determining the scope of the problem.



**Global Water - Palo Verde Utilities Company
2014 CC&N Expansion: Anderson Russell, LLC**

PROPOSED DEVELOPMENT PHASING

The Property consists of primarily Residential Use with a small amount of Commercial and Mixed Use. The development has been split into three phases, with an ultimate preliminary master plan to subdivide the property into 27+ parcels as development occurs.



DESIGN CRITERIA



DESIGN & CONSTRUCTION STANDARDS

WASTEWATER SYSTEM STANDARDS

I. WASTEWATER SYSTEM DESIGN CRITERIA

A. Design Flows

All design flows used in hydraulic analysis and design shall be as per the latest Global Water- Palo Verde Utilities Code of Practice.

All sewers shall be designed for peak flow conditions. In the absence of flow data, new domestic sewage systems shall be designed based on the following criteria:

Land Use	Unit	Average Daily Demand	Peaking Factor
Residential	Dwelling Unit	234 gpd	Refer to Table 1 of AAC R-18-9-E301.D.1.a
Commercial*	Square Foot of Building	0.1 gpd	2.0
	Acre of Commercial Property	2,200 gpd	2.0
Industrial*	Acre of Industrial Property	1,200 gpd	2.0
School	Student	25 gpd	4.8

*Does not include high water use commercial/industrial facilities such as restaurants, car washes, bottling plants, etc. Contact the applicable utility for high water use operations.

For preliminary design only, a density of 4.5 dwelling units per acre shall be utilized for single family residential properties without a land use plan. Final design shall be based on the actual density.

B. Hydraulic Design

The minimum allowable slope for an 8-inch sewer shall be equal to 0.0035 ft/ft unless otherwise approved by Global Water. For all other sewer sizes, the sewer lines shall be designed and constructed to provide a minimum velocity of 2.0 feet per second (fps) when flowing full. Hydraulic calculations shall be provided to demonstrate that a flushing velocity in excess of 1.5 fps is attained during peak flow conditions. Global may approve exceptions to the flushing velocity requirement in areas of low flow, or where slopes may not be reasonably increased to achieve an appropriate velocity. Increasing pipe diameter to reduce required minimum slope is unacceptable unless minimum velocity criteria can be met. A design Manning's Formula "n" value equal to 0.013 shall be utilized for all pipe materials. Peak design velocities shall be less than 8 fps.

Other than private services, no sewers shall be less than 8 inches in diameter.

The ratio of flow depth in the pipe to the pipe diameter (d/D) shall not exceed 0.75 in peak dry weather flow. Consequently, the maximum sewer design capacity shall be equal to 91% of the full flow capacity at the peak design flow.

All manholes shall have a minimum drop of 0.10 feet across the manhole for all sewers.

**Global Water - Palo Verde Utilities Company
2014 CC&N Expansion: Anderson Russell, LLC**

DEMANDS

Parcel	Acres	Avg Daily Demand	Total GPD	Monthly Demand	Total Meters	# of Accts
Residential	475.00	1,125	534,375	16,031,250	2455	2455
Commercial	165.00	2,800	462,000	13,860,000	322	322
Industrial	19.00	1,800	34,200	1,026,000	19	19
Irrigation	86.00	0	0	0	0	0
	745.00		496,200	30,917,250	2796	2796

[illegible]

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion: Anderson Russell, LLC

PROPOSED NEW INFRASTRUCTURE / ESTIMATED COSTS

ANDERSON RUSSELL					
Off-site Infrastructure	Quantity	Units	Unit Price	Total	NARUC
24" PVC SDR 35	26503	LF	\$ 110.00	\$ 2,915,330.00	361
60" Manhole	45	Ea	\$ 2,500.00	\$ 112,500.00	361
Jack and Bore	800	LF	\$ 200.00	\$ 160,000.00	361
Engineering and Permits	10%	ls	\$ -	\$ 318,783.00	361
Total				\$ 3,506,613.00	

ANDERSON RUSSELL						
Phase 1 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" PVC SDR 35	0	LF	\$ 75.00	\$ -	361	
8" SDR 35	6800	LF	\$ 60.00	\$ 408,000.00	361	
48" Manhole	14	Ea	\$ 1,000.00	\$ 14,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 97,650.00	361	\$ 519,650.00
6" Services	1109	Ea	\$ 500.00	\$ 554,500.00	363	\$ 554,500.00
TOTAL PHASE 1				\$ 1,074,150.00		\$ 1,074,150.00

ANDERSON RUSSELL						
Phase 2 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" PVC SDR 35	8000	LF	\$ 75.00	\$ 600,000.00	361	
8" SDR 35	17000	LF	\$ 60.00	\$ 1,020,000.00	361	
48" Manhole	60	Ea	\$ 1,000.00	\$ 60,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 163,450.00	361	\$ 1,843,450.00
6" Services	1109	Ea	\$ 500.00	\$ 554,500.00	363	\$ 554,500.00
TOTAL PHASE 2				\$ 2,397,950.00		\$ 2,397,950.00

ANDERSON RUSSELL						
Phase 3 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" PVC SDR 35	5200	LF	\$ 75.00	\$ 390,000.00	361	
8" SDR 35	750	LF	\$ 60.00	\$ 45,000.00	361	
48" Manhole	40	Ea	\$ 1,000.00	\$ 40,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 63,950.00	361	\$ 538,950.00
6" Services	1109	Ea	\$ 500.00	\$ 554,500.00	363	\$ 554,500.00
TOTAL PHASE 3				\$ 1,093,450.00		\$ 1,093,450.00

COMMITTED SEWER- TOTAL DWELLING UNITS

PAD OR MASTER PLAN LOCATION	TOTAL NO. OF LOTS	TOTAL NO. OF LOTS COMMITTED	TREATMENT REQUIREMENTS AT GPD/DU
North Region			187.2 GPD/DU
Rancho El Dorado	3,210	3,210	600,912
The Villages	1,938	1,938	362,794
Acacia Crossings	739	739	138,341
Cobblestone Farms	891	891	166,795
Province *	1,333	1,333	255,154
Santa Rosa Springs	790	647	121,118
Glennwilde	2,130	1,948	364,666
Rancho Mirage Estates	2,153	664	124,301
Sorrento Phase 1	821	821	153,691
Sorrento Phase 3	651	-	-
Dunn Ranch	641	-	-
El Rancho Santa Rosa	720	-	-
Santa Rosa Crossings	351	230	43,056
Homestead Village	2,308	1,726	323,107
Rancho El Dorado Phase III	1,803	903	169,042
Del Tessa	-	-	-
Province Phase III	862	255	47,736
Tortosa NW (Cottonwood)	1,290	1,290	241,488
Tortosa South	1,172	-	-

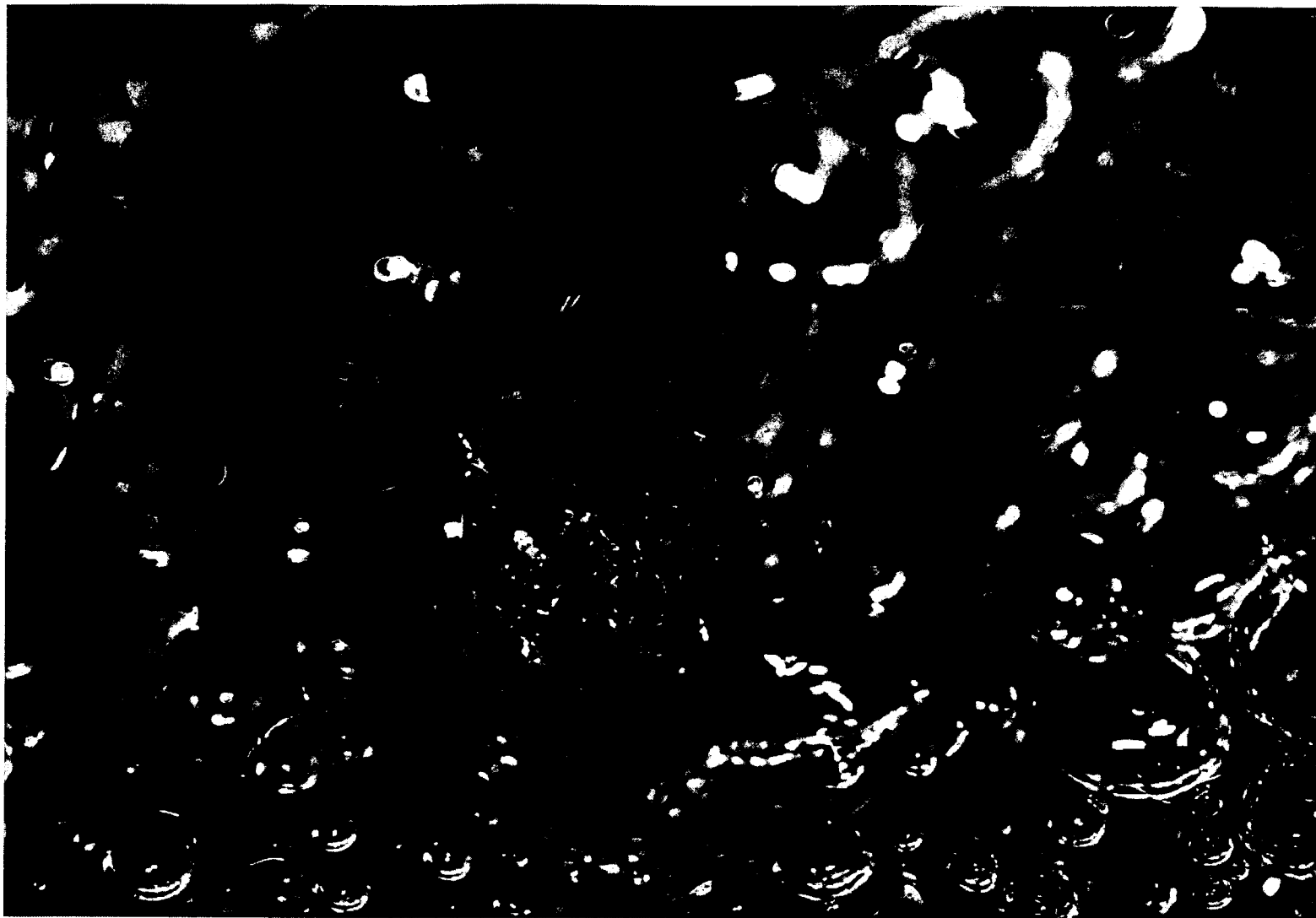
**Global Water - Palo Verde Utilities Company
2014 CC&N Expansion: Anderson Russell, LLC**

Tortosa NE	1,062	-	-
Maricopa Groves (Senita)	1,375	1,375	257,400
Smith Farms	705	601	112,507
Eagle Shadows Phase 1	1,099	-	-
Maricopa Meadows Total	1,626	1,626	304,387
Alterra North & South Total	1,005	1,005	188,136
Palo Brea Total	526	526	98,467
Desert Cedars Totals	418	418	78,250
Commercial		3,532	662,412
Anderson Russell, LLC	4,133	3,327	622,814
North Total	35,752	29,005	5,436,574

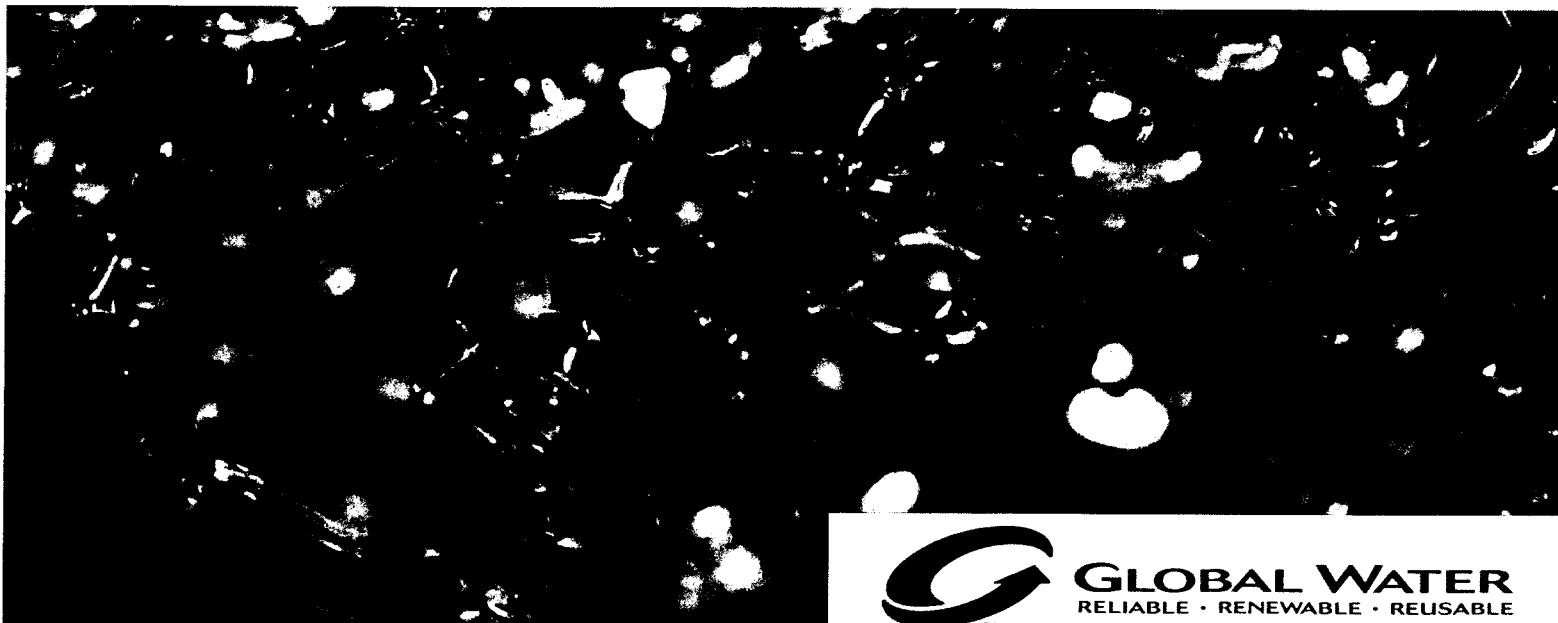
SUMMARY / CONCLUSION

Based upon the data and analysis provided, PVUC's existing sewer collection system can be extended to provide service to the Property as identified in the CC&N Application. The collection system has been sized accordingly to receive the estimated demands for the Property, and will transfer the sewer to PVUC's Campus I Water Reclamation Facility for processing and treatment. Ultimately, the recycled water will be transmitted back to the community for non-potable use. Given the timing of this development, in conjunction with the sewer demands alongside other localized growth, the treatment capacity of Campus 1 will be assessed and properly expanded as necessary to meet all demands. PVUC has the ability to expand capacity of Campus 1 into its currently permitted 9.0 MGD.

The Property is contiguous to PVUC's current CC&N.



**Global Water - Palo Verde Utilities
Company
2014 CC&N Expansion
City of Maricopa -
Eagle Wing PAD**



GLOBAL WATER
RELIABLE • RENEWABLE • REUSABLE

PRELIMINARY ENGINEERING REPORT SEWER CC&N EXPANSION

**CITY OF MARICOPA
EAGLE WING PAD**

**SECTION 1, T5S, R3E
SECTION 6, T5S, R4E
SECTION 7, T5S, R4E
SECTION 8, T5S, R4E**

PINAL COUNTY, ARIZONA

JULY, 2014

Prepared for:
City of Maricopa
PO Box 610
Maricopa, AZ 85139

Prepared By:
Global Water – Palo Verde Utilities Company

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PROJECT SUMMARY

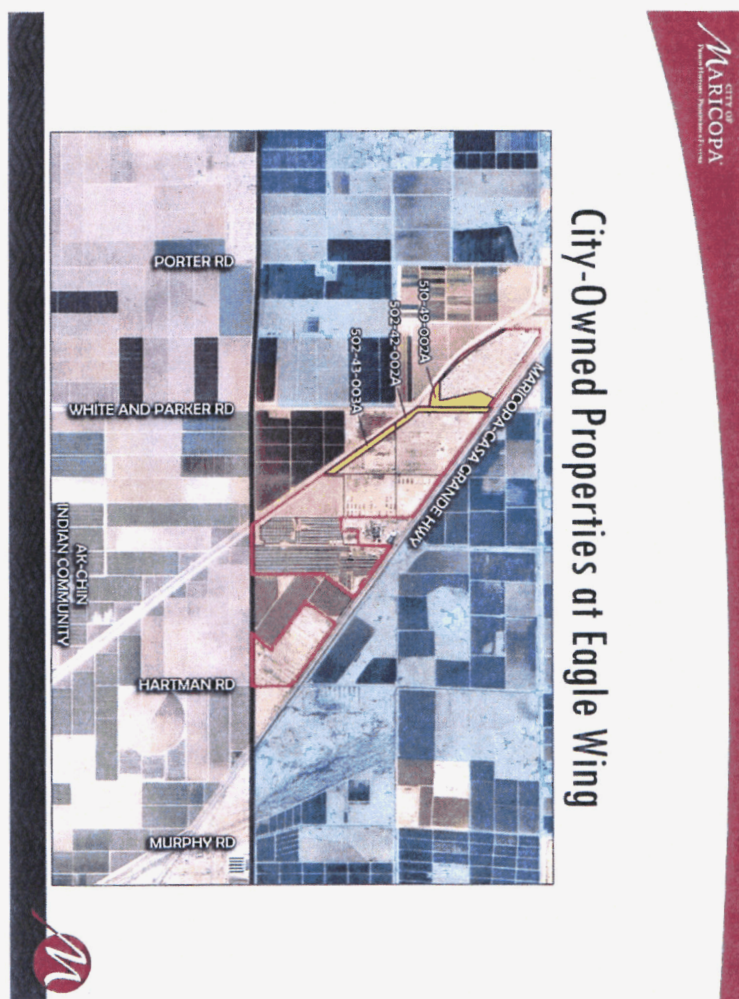
Eagle Wing PAD (the “Property”) is 68 acres of undeveloped land owned by the City of Maricopa. The current plan for the Property is strictly dedicated for future road right-of-way (ROW). The ROW will potentially include medians and landscaping, warranting sewer service. PVUC has filed an application with the Arizona Corporation Commission with the intention to expand its Certificate of Convenience and Necessity (“CC&N”) service area to include the Property.

Since the ROW will potentially include landscaping, service requirements may exist. A point of connection will be established as part of the initial construction facilities for the Property. Design criteria will be in accordance with the requirements of the most recent version of Global Water’s Standards for Planning, Design, and Construction. These standards can be found online at www.gwresources.com.

At this time, a final design does not exist, and no sewer service demands have been estimated for the Property.

PROJECT LOCATION

The Property is located South of the Union Pacific Railroad in Section 1, Township 5 South, Range 3 East, and Section 6, Township 5 South, Range 4 East, Section 7, Township 5 South, Range 4 East, and Section 8, Township 5 South, Range 4 East of the Gila and Salt River Base Meridian, Pinal County, Arizona and within the incorporated City of Maricopa. The Property is bound by the Union Pacific Railroad to the North, surrounded by Eagle Wing property to the East and West, and lies on the Southern edge of Eagle Wing property.



Global Water - Palo Verde Utilities Company
2014 CC&N Extension – City of Maricopa - Eagle Wing PAD

LEGAL DESCRIPTION

No. 242-5313948

EXHIBIT "A"

PARCEL NO. 1:

THAT PORTION OF PARCEL 1 DESCRIBED IN DOCUMENT 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 1, TOWNSHIP 5 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 1;

THENCE NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 1,253.79 FEET ALONG THE EAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 1 TO THE SOUTH LINE OF SAID PARCEL 1 AND THE POINT OF BEGINNING;

THENCE NORTH 80 DEGREES 49 MINUTES 31 SECONDS WEST, A DISTANCE OF 495.48 FEET ALONG SAID SOUTH LINE TO A EASEMENT DESCRIBED AS DOCKET 368, PAGE 478 RECORDS OF PINAL COUNTY, ARIZONA;

THENCE NORTH 67 DEGREES 32 MINUTES 21 SECONDS WEST, A DISTANCE OF 245.15 FEET ALONG THE SOUTH LINE OF SAID EASEMENT AND PARCEL 1;

THENCE NORTH 58 DEGREES 33 MINUTES 21 SECONDS WEST, A DISTANCE OF 313.39 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 48 DEGREES 21 MINUTES 01 SECONDS WEST, A DISTANCE OF 756.83 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 43 DEGREES 52 MINUTES 01 SECONDS WEST, A DISTANCE OF 569.99 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 34 DEGREES 39 MINUTES 01 SECONDS WEST, A DISTANCE OF 615.95 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 32 DEGREES 27 MINUTES 01 SECONDS WEST, A DISTANCE OF 378.38 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 30 DEGREES 55 MINUTES 01 SECONDS WEST, A DISTANCE OF 751.97 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 00 DEGREES 07 MINUTES 59 SECONDS EAST, A DISTANCE OF 192.00 FEET ALONG THE WEST LINE OF SAID EASEMENT AND PARCEL 1;

THENCE DEPARTING PARCEL 1 SOUTH 31 DEGREES 59 MINUTES 01 SECONDS EAST, A DISTANCE OF 1,260.00 FEET ALONG THE NORTH LINE OF SAID EASEMENT;

THENCE SOUTH 36 DEGREES 59 MINUTES 01 SECONDS EAST, A DISTANCE OF 970.00 FEET ALONG SAID NORTH LINE;

THENCE SOUTH 46 DEGREES 59 MINUTES 01 SECONDS EAST, A DISTANCE OF 970.00 FEET ALONG SAID NORTH LINE;

THENCE DEPARTING FROM SAID PARCEL SOUTH 89 DEGREES 46 MINUTES 01 SECONDS EAST, A DISTANCE OF 697.22 FEET;

Global Water - Palo Verde Utilities Company
2014 CC&N Extension – City of Maricopa - Eagle Wing PAD

No. 242-5313948

THENCE NORTH 13 DEGREES 11 MINUTES 06 SECONDS WEST, A DISTANCE OF 1,535.51 FEET;

THENCE NORTH 25 DEGREES 52 MINUTES 03 SECONDS EAST, A DISTANCE OF 754.79 FEET TO THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 50 MINUTES 31 SECONDS EAST, A DISTANCE OF 317.10 FEET ALONG SAID SOUTHEASTERLY LINE TO THE EAST LINE OF SAID SECTION 1;

THENCE SOUTH 00 DEGREES 13 MINUTES 59 SECONDS WEST, A DISTANCE OF 940.89 FEET ALONG THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 1;

THENCE SOUTH 00 DEGREES 13 MINUTES 59 SECONDS WEST, A DISTANCE OF 1,451.26 FEET ALONG SAID EAST LINE OF THE SOUTHEAST QUARTER OF SECTION 1 TO THE POINT OF BEGINNING.

PARCEL NO. 2:

THAT PORTION OF PARCEL 2 DESCRIBED AS DOCUMENT 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 6, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 6;

THENCE NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 840.00 FEET ALONG THE WEST LINE OF SAID SECTION 6 TO THE POINT OF BEGINNING;

THENCE CONTINUING NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 1,865.05 FEET ALONG SAID WEST LINE TO THE WEST QUARTER CORNER OF SAID SECTION 6;

THENCE CONTINUING NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 940.89 FEET ALONG SAID WEST LINE TO THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 50 MINUTES 47 SECONDS EAST, A DISTANCE OF 231.53 FEET ALONG SAID SOUTHWESTERLY LINE TO A LINE THAT IS 187.50 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID SECTION 6;

THENCE SOUTH 00 DEGREES 13 MINUTES 59 SECONDS WEST, A DISTANCE OF 2,697.85 FEET ALONG SAID PARALLEL LINE TO THE NORTHERLY LINE OF A PARCEL DESCRIBED IN DOCKET 372, PAGE 453 RECORDS OF PINAL COUNTY, ARIZONA AND A POINT ON A NON-TANGENT CURVE HAVING A RADIUS THAT BEARS SOUTH 42 DEGREES 11 MINUTES 49 SECONDS WEST, A DISTANCE OF 3,034.79 FEET;

THENCE SOUTHEASTERLY 780.48 FEET ALONG THE ARC OF SAID CURVE AND SAID NORTHERLY LINE, BEING CONCAVE SOUTHWESTERLY, THROUGH A CENTRAL ANGLE OF 14 DEGREES 44 MINUTES 07 SECONDS;

THENCE SOUTH 33 DEGREES 04 MINUTES 04 SECONDS EAST, A DISTANCE OF 260.45 FEET ALONG SAID NORTHERLY LINE TO THE SOUTH LINE OF SAID SECTION 6;

THENCE SOUTH 89 DEGREES 56 MINUTES 41 SECONDS WEST, A DISTANCE OF 258.82 FEET ALONG SAID SOUTH LINE TO THE SOUTHWESTERLY LINE OF SAID PARCEL 2;

THENCE NORTH 34 DEGREES 26 MINUTES 01 SECONDS WEST, A DISTANCE OF 1,017.77 FEET ALONG SAID SOUTHWESTERLY LINE TO THE POINT OF BEGINNING.

PARCEL NO. 3:

Global Water - Palo Verde Utilities Company
2014 CC&N Extension – City of Maricopa - Eagle Wing PAD

No. 242-5313948

THAT PORTION OF PARCEL 2 DESCRIBED IN DOCUMENT 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 7, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 7;

THENCE NORTH 89 DEGREES 56 MINUTES 41 SECONDS EAST, A DISTANCE OF 578.91 FEET ALONG THE NORTH LINE OF SAID SECTION 7 TO A POINT ON THE SOUTHWESTERLY LINE OF SAID PARCEL 2 AND THE POINT OF BEGINNING;

THENCE CONTINUING NORTH 89 DEGREES 56 MINUTES 41 SECONDS EAST, A DISTANCE OF 263.89 FEET ALONG SAID NORTH LINE TO THE NORTHERLY LINE OF AN EASEMENT DESCRIBED AS DOCKET 1410, PAGE 592 RECORDS OF PINAL COUNTY, ARIZONA;

THENCE SOUTH 35 DEGREES 09 MINUTES 45 SECONDS EAST, A DISTANCE OF 2,868.07 FEET ALONG SAID NORTHERLY LINE TO THE EAST LINE OF SAID PARCEL 2;

THENCE SOUTH 00 DEGREES 29 MINUTES 41 SECONDS EAST, A DISTANCE OF 457.08 FEET ALONG SAID EAST LINE TO SAID SOUTHWESTERLY LINE;

THENCE NORTH 34 DEGREES 25 MINUTES 05 SECONDS WEST, A DISTANCE OF 3,396.06 FEET ALONG SAID SOUTHWESTERLY LINE TO THE POINT OF BEGINNING.

TOPOGRAPHIC CONDITIONS

None at this time

PROPOSED DEVELOPMENT PHASING

None at this time since this is all just dedicated future ROW

DESIGN CRITERIA



DESIGN & CONSTRUCTION STANDARDS

WASTEWATER SYSTEM STANDARDS

I. WASTEWATER SYSTEM DESIGN CRITERIA

A. Design Flows

All design flows used in hydraulic analysis and design shall be as per the latest Global Water- Palo Verde Utilities Code of Practice.

All sewers shall be designed for peak flow conditions. In the absence of flow data, new domestic sewage systems shall be designed based on the following criteria:

Land Use	Unit	Average Daily Demand	Peaking Factor
Residential	Dwelling Unit	234 gpd	Refer to Table 1 of AAC R-18-9-E301.D.1.a
Commercial*	Square Foot of Building	0.1 gpd	2.0
	Acre of Commercial Property	2,200 gpd	2.0
Industrial*	Acre of Industrial Property	1,200 gpd	2.0
School	Student	25 gpd	4.8

*Does not include high water use commercial/industrial facilities such as restaurants, car washes, bottling plants, etc. Contact the applicable utility for high water use operations.

For preliminary design only, a density of 4.5 dwelling units per acre shall be utilized for single family residential properties without a land use plan. Final design shall be based on the actual density.

B. Hydraulic Design

The minimum allowable slope for an 8-inch sewer shall be equal to 0.0035 ft/ft unless otherwise approved by Global Water. For all other sewer sizes, the sewer lines shall be designed and constructed to provide a minimum velocity of 2.0 feet per second (fps) when flowing full. Hydraulic calculations shall be provided to demonstrate that a flushing velocity in excess of 1.5 fps is attained during peak flow conditions. Global may approve exceptions to the flushing velocity requirement in areas of low flow, or where slopes may not be reasonably increased to achieve an appropriate velocity. Increasing pipe diameter to reduce required minimum slope is unacceptable unless minimum velocity criteria can be met. A design Manning's Formula "n" value equal to 0.013 shall be utilized for all pipe materials. Peak design velocities shall be less than 8 fps.

Other than private services, no sewers shall be less than 8 inches in diameter.

The ratio of flow depth in the pipe to the pipe diameter (d/D) shall not exceed 0.75 in peak dry weather flow. Consequently, the maximum sewer design capacity shall be equal to 91% of the full flow capacity at the peak design flow.

All manholes shall have a minimum drop of 0.10 feet across the manhole for all sewers.

Global Water - Palo Verde Utilities Company
2014 CC&N Extension – City of Maricopa - Eagle Wing PAD

DEMANDS

Parcel	Acres	Avg Daily Demand	Total GPD	Monthly Demand	Total Meters	# of Accts
Residential	0.00	1,125	-	-	0	0
Commercial	0.00	2,800	-	-	0	0
Industrial	0.00	1,800	-	-	0	0
ROW	68.00	0	0	0	0	0
	68.00					0

EXISTING INFRASTRUCTURE AND PROPOSED NEW INFRASTRUCTURE

None at this time since this is all just dedicated future ROW

Global Water - Palo Verde Utilities Company
2014 CC&N Extension – City of Maricopa - Eagle Wing PAD

PROPOSED INFRASTRUCTURE / ESTIMATED COSTS

COM EAGLE WING PAD					
Off-site Infrastructure	Quantity	Units	Unit Price	Amount	NARUC
No Off-site Infrastructure required					

COM EAGLE WING PAD						
On-Site Sewer System	Quantity	Units	Unit Price	Total	NARUC	NARUC TOTAL
There is no on-site infrastructure for this property, it is all dedicated right of way						

Global Water - Palo Verde Utilities Company
2014 CC&N Extension – City of Maricopa - Eagle Wing PAD

SEWER COMMITMENT – TOTAL DWELLING UNITS

PAD OR MASTER PLAN LOCATION	TOTAL NO. OF LOTS	TOTAL NO. OF LOTS COMMITTED	TREATMENT REQUIREMENTS AT GPD/DU
North Region			187.2 GPD/DU
Rancho El Dorado	3,210	3,210	600,912
The Villages	1,938	1,938	362,794
Acacia Crossings	739	739	138,341
Cobblestone Farms	891	891	166,795
Province *	1,333	1,333	255,154
Santa Rosa Springs	790	647	121,118
Glennwilde	2,130	1,948	364,666
Rancho Mirage Estates	2,153	664	124,301
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Sorrento Phase 3	651	-	-
Dunn Ranch	641	-	-
El Rancho Santa Rosa	720	-	-
Santa Rosa Crossings	351	230	43,056
Homestead Village	2,308	1,726	323,107
Rancho El Dorado Phase III	1,803	903	169,042
Del Tessa	-	-	-
Province Phase III	862	255	47,736
Tortosa NW (Cottonwood)	1,290	1,290	241,488
Tortosa South	1,172	-	-

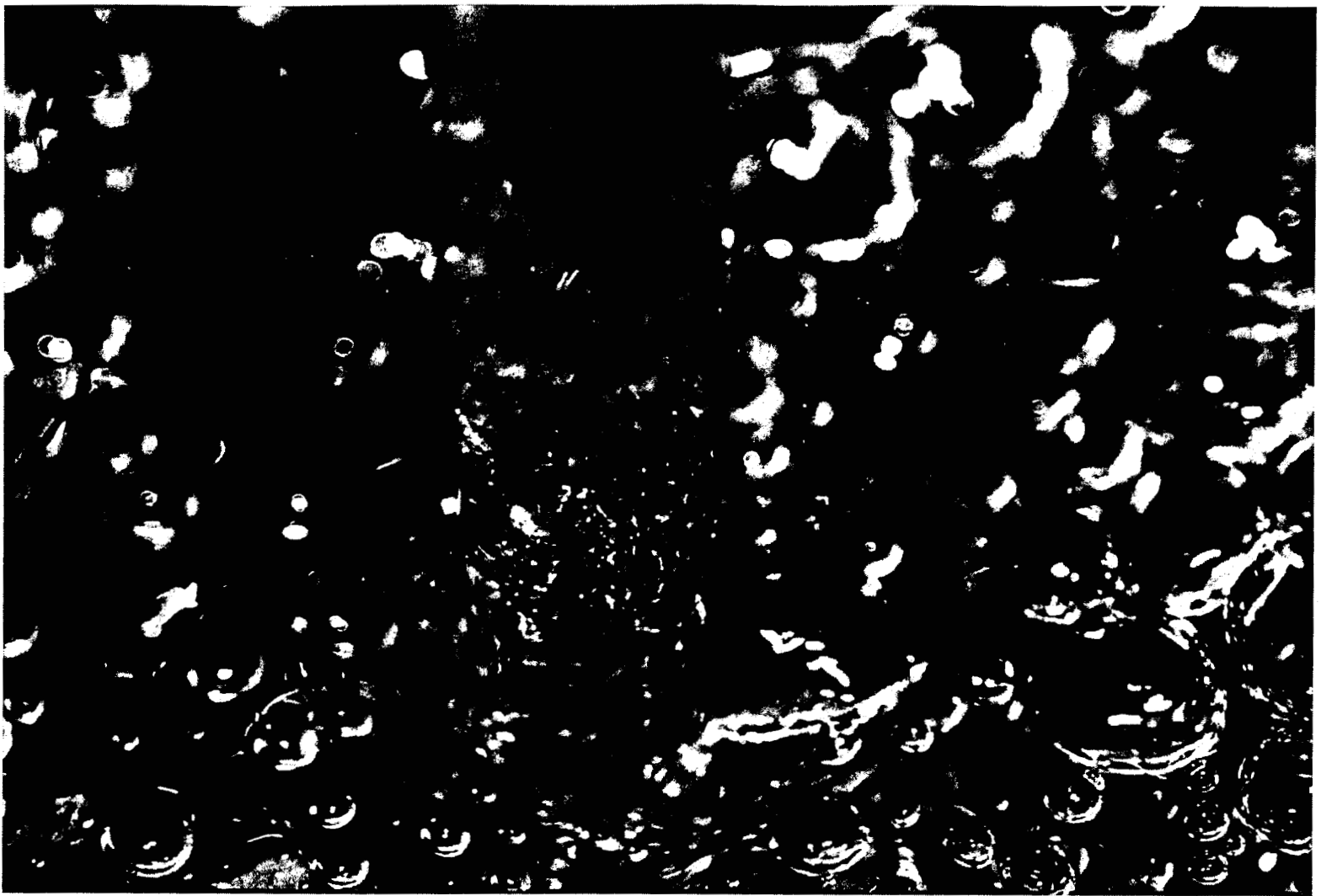
Global Water - Palo Verde Utilities Company
2014 CC&N Extension – City of Maricopa - Eagle Wing PAD

Tortosa NE	1,062	-	-
Maricopa Groves (Senita)	1,375	1,375	257,400
Smith Farms	705	601	112,507
Eagle Shadows Phase 1	1,099	-	-
Maricopa Meadows Total	1,626	1,626	304,387
Alterra North & South Total	1,005	1,005	188,136
Palo Brea Total	526	526	98,467
Desert Cedars Totals	418	418	78,250
Commercial		3,532	662,412
Eagle Wing PAD	0	0	0
North Total	31,619	25,678	4,813,759

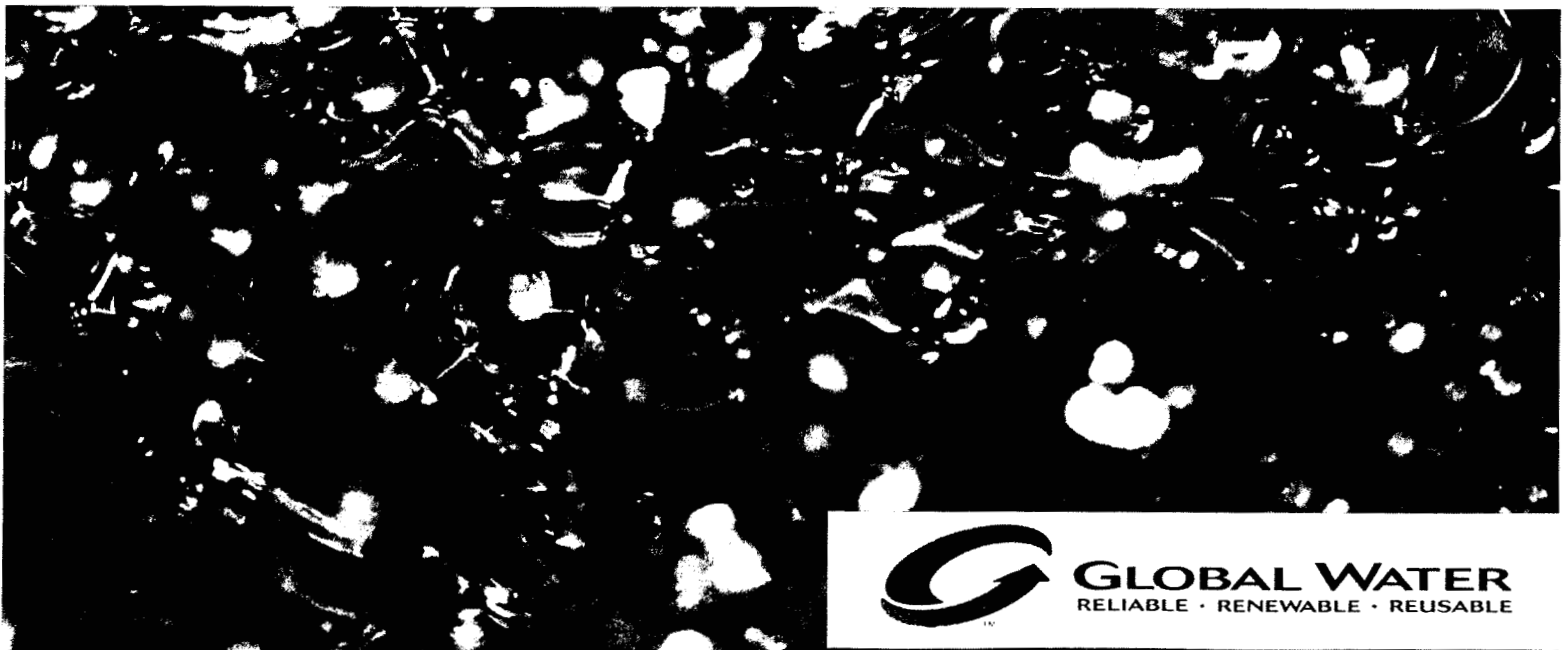
SUMMARY / CONCLUSION

The Property is 68 acres of undeveloped land owned by the City of Maricopa. The current land plan for the Property is strictly dedicated for future ROW, and has no determined sewer demands at this time.- The ROW will potentially include medians and landscaping, warranting the need for sewer service. If sewer demand is required, PVUC's existing sewer collection system can be extended to provide service to the Property, as identified in the CC&N Application. The collection system has been sized accordingly to receive the estimated demands for this property, and will transfer the sewer to PVUC's Campus I Water Reclamation Facility for processing and treatment. Ultimately the recycled water will be transmitted back to the community for non-potable use. Given the timing of this development in conjunction with the sewer demands alongside other localized growth, the treatment capacity of Campus 1 will be assessed and properly expanded as necessary to meet all demands. PVUC has the ability to expand capacity of Campus 1 into its currently permitted 9.0 MGD.

The infrastructure needs will be determined at such time Eagle Wing development is progressing, and a point of connection will be established as part of the initial construction facilities for Eagle Wing Parcels 1 and 2. The Property is contiguous to PVUC's current CC&N.



**Global Water - Palo Verde
Utilities Company
2014 CC&N Expansion
City of Maricopa - Estrella Gin**



GLOBAL WATER
RELIABLE • RENEWABLE • REUSABLE

PRELIMINARY ENGINEERING REPORT SEWER CC&N EXPANSION

**CITY OF MARICOPA
ESTRELLA GIN
SECTION 21, T4S, R3E
PINAL COUNTY, ARIZONA**

JULY, 2014

Prepared for:
City of Maricopa
PO Box 610
Maricopa, AZ 85139

Prepared By:
Global Water – Palo Verde Utilities Company

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PROJECT SUMMARY

Estrella Gin (the “Property”) is approximately 52 acres of undeveloped land owned by the City of Maricopa. The Property will be provided wastewater service from Global Water - Palo Verde Utilities Company (“PVUC”). PVUC has filed an application with the Arizona Corporation Commission with the intention to extend its Certificate of Convenience and Necessity (“CC&N”) service area to include the Property.

The Property consists of Commercial, Flex Office/Warehouse and Industrial Use with no planned Residential at this time. Design criteria will be in accordance with the requirements of the most recent version of Global Water’s Standards for Planning, Design and Construction. These standards are available online at www.gwresources.com.

To provide sewer service to this development, there is no off-site infrastructure required to be installed. A 12” sewer line exists within the Property, because a line was extended to serve the needs of the City of Maricopa’s Fire Station 575. This extension was submitted to the ACC to serve on a contiguous basis.

At this time, a final design has not been determined and an accurate wastewater model cannot be provided. Design flows have been estimated based upon pre-engineering analysis.

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – City of Maricopa - Estrella Gin

LEGAL DESCRIPTION

Policy No.: 1002024.V7073

File No.: 01006676-010-LS

EXHIBIT A

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF PINAL, STATE OF ARIZONA, AND IS DESCRIBED AS FOLLOWS:

The Northeast quarter of the Southwest quarter; AND the Southeast quarter of the Northwest quarter of Section 21, Township 4 South, Range 3 East of the Gila and Salty River Meridian, Pinal County, Arizona, lying North of the Southern Pacific Railroad right of way.

Except those portions conveyed to Pinal County, Arizona in Quit Claim Deeds recorded in Docket 973, Page 345 and Docket 1018, Page 934; and

ALSO Except that portion described as follows:

Commencing at the Northwest corner of the Southeast quarter of the Northwest quarter of said Section 21;

Thence South along the West line of said Southeast quarter of the Northwest quarter of Section 21, a distance of 945.00 feet to the TRUE POINT OF BEGINNING;

Thence East along a line perpendicular to said West line, a distance of 70.00 feet to a point on a line 70 feet East of and parallel with the West line of the Southeast quarter of the Northwest quarter of Section 21;

Thence South along said line, a distance of 50.00 feet;

Thence West along a line perpendicular to the West line of said Southeast quarter of the Northwest quarter of Section 21, a distance of 70.00 feet to a point on said West line;

Thence North along the West line of said Southeast quarter of the Northwest quarter of Section 21, a distance of 50.00 feet to the POINT OF BEGINNING; and

ALSO Except that portion described as follows:

Commencing at the Arizona Department of Transportation aluminum cap in handhole marking the North quarter corner of said Section 21 from which the Arizona Department of Transportation aluminum cap in handhole marking the Northeast corner of said Section 21 bears North 89 degrees 38 minutes 51 seconds East, a distance of 2714.34 feet;

Thence South 00 degrees 31 minutes 04 seconds East, along the North-South mid-section line of said Section 21, a distance of 2066.95 feet to the TRUE POINT OF BEGINNING;

Thence continuing South 00 degrees 31 minutes 04 seconds East, along said North-South mid-section line of said Section 21, a distance of 563.37 feet to the 1 1/4 inch iron pipe marking the center of said Section 21;

Thence South 89 degrees 53 minutes 52 seconds West, along the East-West mid-section line of said Section 21, a distance of 30.00 feet to a point on a line which is parallel with and 30.00 feet Westerly, as measured at right angle from the North-South mid-section line of said Section 21;

Thence North 00 degrees 31 minutes 04 seconds West, along said parallel line, a distance of 371.06 feet to the beginning of a tangent curve of 630.00 foot radius, concave Southeasterly;

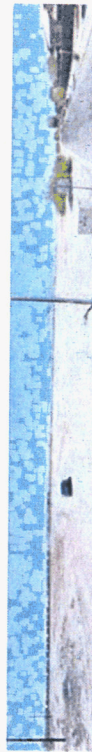
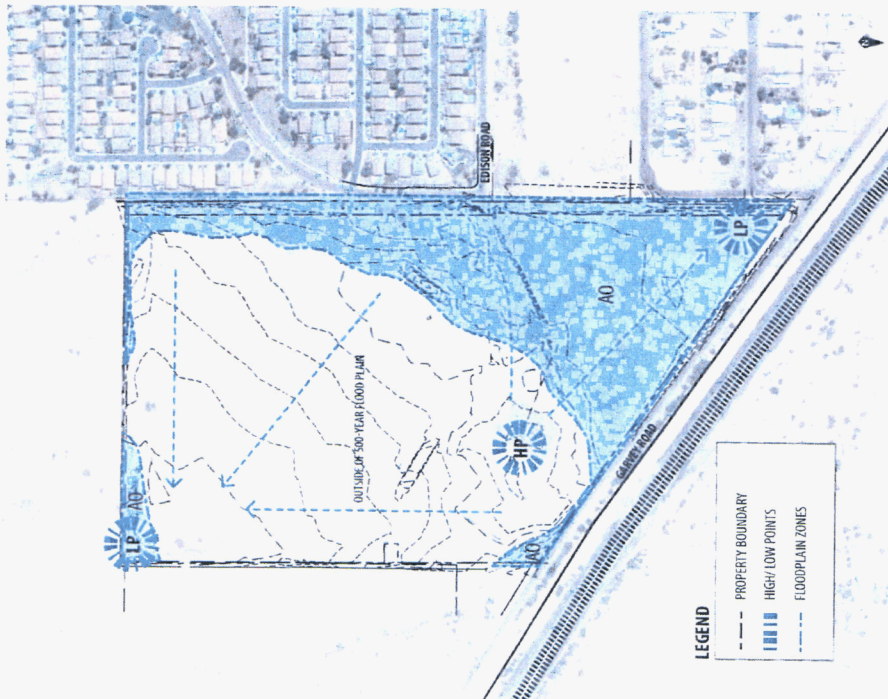
Thence Northeasterly, along said curve, through a central angle of 17 degrees 45 minutes 10 seconds, a distance of 195.20 feet to the POINT OF BEGINNING.

APN: 510-17-005E-6

ALTA Owner's Policy (6-17-06)
Form 1402.06.A

TOPOGRAPHIC CONDITIONS

SITE ANALYSIS - TOPOGRAPHY & DRAINAGE



A ridge line running north and east through the site at elevation 1169.0 +/- with low points at the NW, and SE corner of the property. The ridge line going NE through the property is the beginning of the 100 year flood plane which should hold a depth of water between 1.0 and 3.0 per a 100 year storm event. This floodplain will be eliminated when final grading is completed.

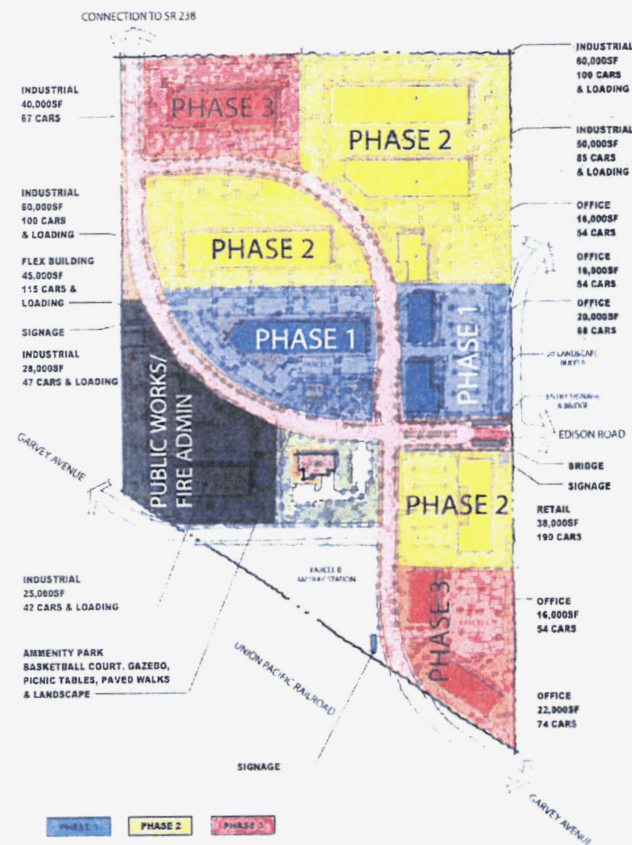
SMITHGROUP JJR

PROPOSED DEVELOPMENT PHASING

The Property consists of Commercial, Flex Office/Warehouse and Industrial Use with no planned Residential at this time. The development has been split into three phases, with an ultimate preliminary master plan to subdivide the property into 12+ parcels as development occurs.

DEVELOPMENT PHASING

DEVELOPMENT PHASING CONCEPT DIAGRAM



Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – City of Maricopa - Estrella Gin

DESIGN CRITERIA



DESIGN & CONSTRUCTION STANDARDS

WASTEWATER SYSTEM STANDARDS

I. WASTEWATER SYSTEM DESIGN CRITERIA

A. Design Flows

All design flows used in hydraulic analysis and design shall be as per the latest Global Water- Palo Verde Utilities Code of Practice.

All sewers shall be designed for peak flow conditions. In the absence of flow data, new domestic sewage systems shall be designed based on the following criteria:

Land Use	Unit	Average Daily Demand	Peaking Factor
Residential	Dwelling Unit	234 gpd	Refer to Table 1 of AAC R-18-9-E301.D.1.a
Commercial*	Square Foot of Building	0.1 gpd	2.0
	Acre of Commercial Property	2,200 gpd	2.0
Industrial*	Acre of Industrial Property	1,200 gpd	2.0
School	Student	25 gpd	4.8

*Does not include high water use commercial/industrial facilities such as restaurants, car washes, bottling plants, etc. Contact the applicable utility for high water use operations.

For preliminary design only, a density of 4.5 dwelling units per acre shall be utilized for single family residential properties without a land use plan. Final design shall be based on the actual density.

B. Hydraulic Design

The minimum allowable slope for an 8-inch sewer shall be equal to 0.0035 ft/ft unless otherwise approved by Global Water. For all other sewer sizes, the sewer lines shall be designed and constructed to provide a minimum velocity of 2.0 feet per second (fps) when flowing full. Hydraulic calculations shall be provided to demonstrate that a flushing velocity in excess of 1.5 fps is attained during peak flow conditions. Global may approve exceptions to the flushing velocity requirement in areas of low flow, or where slopes may not be reasonably increased to achieve an appropriate velocity. Increasing pipe diameter to reduce required minimum slope is unacceptable unless minimum velocity criteria can be met. A design Manning's Formula "n" value equal to 0.013 shall be utilized for all pipe materials. Peak design velocities shall be less than 8 fps.

Other than private services, no sewers shall be less than 8 inches in diameter.

The ratio of flow depth in the pipe to the pipe diameter (d/D) shall not exceed 0.75 in peak dry weather flow. Consequently, the maximum sewer design capacity shall be equal to 91% of the full flow capacity at the peak design flow.

All manholes shall have a minimum drop of 0.10 feet across the manhole for all sewers.

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – City of Maricopa - Estrella Gin

DEMANDS

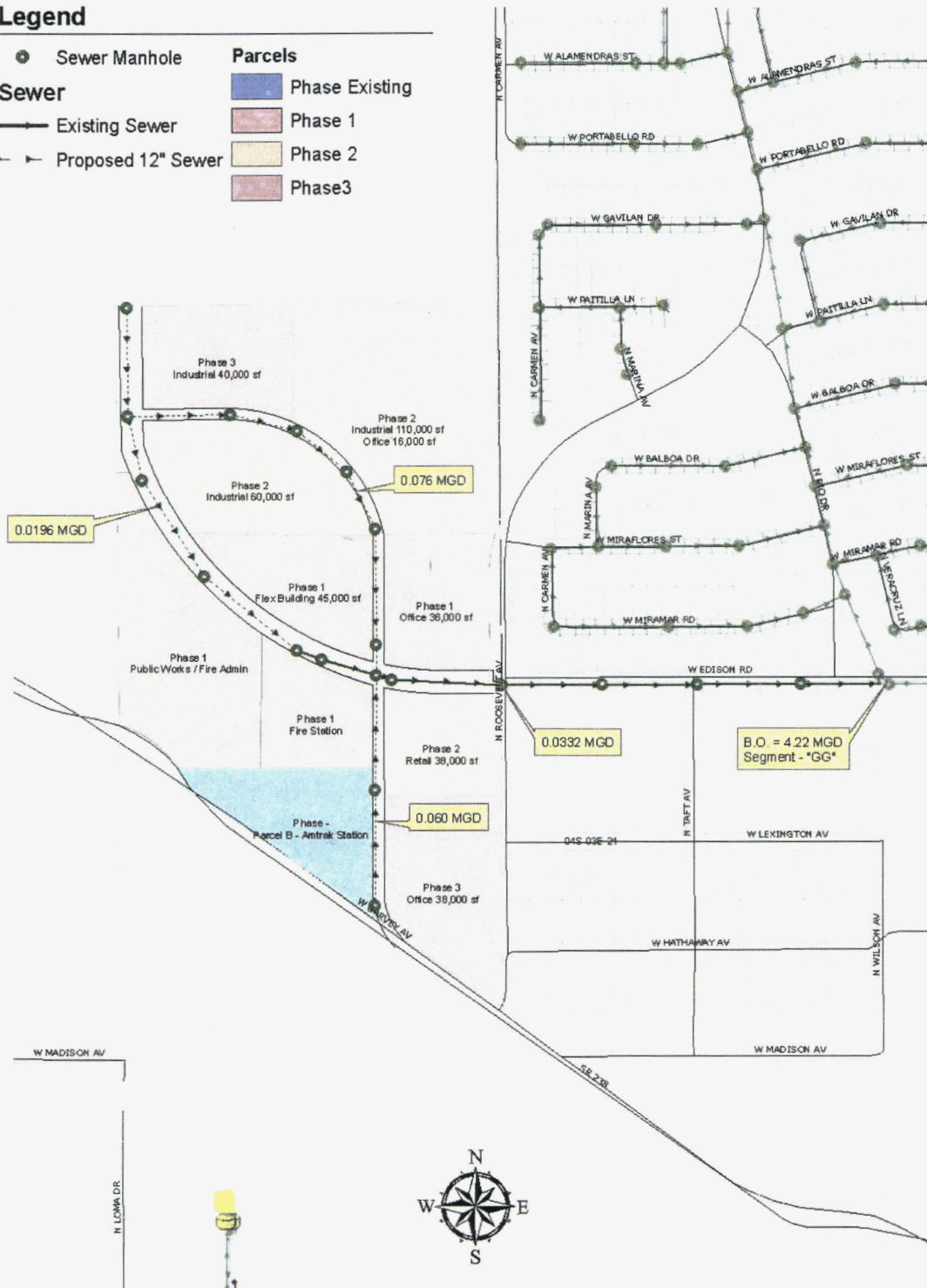
Parcel	Acres	Avg Daily Demand	Total GPD	Monthly Demand	Total Meters	# of Accts
Residential	0.00	1,125	-	-	0	0
Commercial	22.00	2,800	61,600	1,848,000	43	43
Industrial	22.00	1,800	39,600	1,188,000	22	22
Irrigation	8.0	0	0	0	0	
	52.00		101,200	3,036,000	65	65

EXISTING INFRASTRUCTURE AND PROPOSED NEW INFRASTRUCTURE

PROPOSED CC&N SEWER EXPANSION

Legend

- | | |
|----------------------|----------------|
| ● Sewer Manhole | Parcels |
| Sewer | Phase Existing |
| — Existing Sewer | Phase 1 |
| — Proposed 12" Sewer | Phase 2 |
| | Phase 3 |



Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – City of Maricopa - Estrella Gin

PROPOSED NEW INFRASTRUCTURE/ ESTIMATED COSTS

ESTRELLA GIN		Quantity	Units	Unit Price	Total	NARUC
Off-site Infrastructure						
No Off-site Infrastructure required						

ESTRELLA GIN						
Phase 1 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" SDR 35	540	LF	\$ 75.00	\$ 40,500.00	361	
8" SDR 35	460	LF	\$ 60.00	\$ 27,600.00	361	
48" Manhole	4	Ea	\$ 2,000.00	\$ 8,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 6,350.00	361	\$ 82,450.00
6" Services	30	Ea	\$ 500.00	\$ 15,000.00	363	\$ 15,000.00
TOTAL PHASE 1				\$ 97,450.00		\$ 97,450.00

ESTRELLA GIN						
Phase 2 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" SDR 35	485	LF	\$ 75.00	\$ 36,375.00	361	
8" SDR 35	950	LF	\$ 60.00	\$ 57,000.00	361	
48" Manhole	8	Ea	\$ 2,000.00	\$ 16,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 6,737.50	361	\$ 116,112.50
6" Services	30	Ea	\$ 500.00	\$ 15,000.00	363	\$ 15,000.00
TOTAL PHASE 2				\$ 131,112.50		\$ 131,112.50

ESTRELLA GIN						
Phase 3 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" SDR 35	365	LF	\$ 75.00	\$ 27,375.00	361	
8" SDR 35	445	LF	\$ 60.00	\$ 26,700.00	361	
48" Manhole	2	Ea	\$ 2,000.00	\$ 4,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 4,687.50	361	\$ 62,762.50
6" Services	31	Ea	\$ 500.00	\$ 15,500.00	363	\$ 15,500.00
TOTAL PHASE 3				\$ 78,262.50		\$ 78,262.50

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2014 CC&N Expansion – City of Maricopa - Estrella Gin

SEWER COMMITMENT – TOTAL DWELLING UNITS

PAD OR MASTER PLAN LOCATION	TOTAL NO. OF LOTS	TOTAL NO. OF LOTS COMMITTED	TREATMENT REQUIREMENTS AT GPD/DU
North Region			187.2 GPD/DU
Rancho El Dorado	3,210	3,210	600,912
The Villages	1,938	1,938	362,794
Acacia Crossings	739	739	138,341
Cobblestone Farms	891	891	166,795
Province *	1,333	1,333	255,154
Santa Rosa Springs	790	647	121,118
Glennwilde	2,130	1,948	364,666
Rancho Mirage Estates	2,153	664	124,301
Sorrento Phase 1	821	821	153,691
Sorrento Phase 3	651	-	-
Dunn Ranch	641	-	-
El Rancho Santa Rosa	720	-	-
Santa Rosa Crossings	351	230	43,056
Homestead Village	2,308	1,726	323,107
Rancho El Dorado Phase III	1,803	903	169,042
Del Tessa	-	-	-
Province Phase III	862	255	47,736
Tortosa NW (Cottonwood)	1,290	1,290	241,488
Tortosa South	1,172	-	-

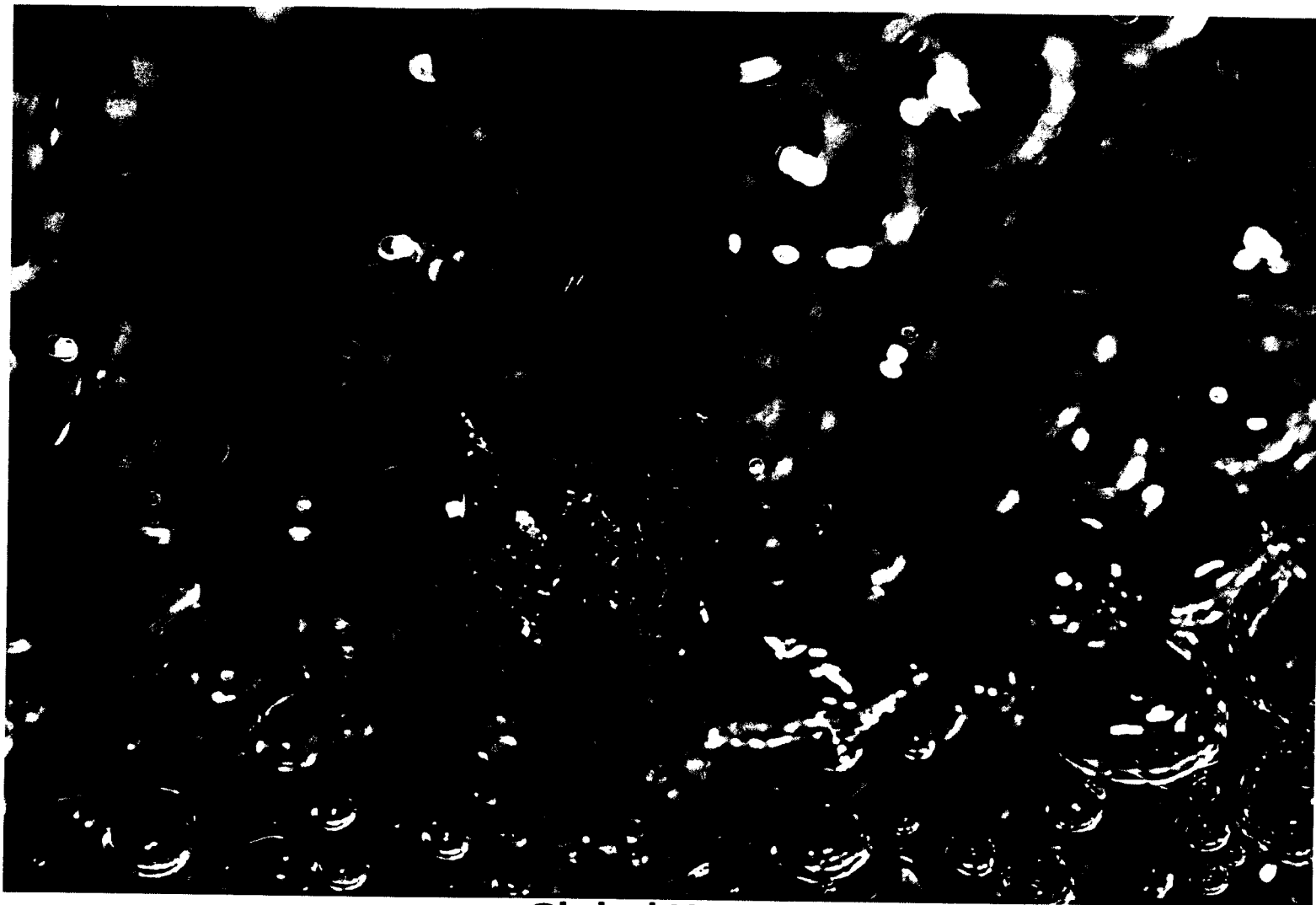
Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – City of Maricopa - Estrella Gin

Tortosa NE	1,062	-	-
Maricopa Groves (Senita)	1,375	1,375	257,400
Smith Farms	705	601	112,507
Eagle Shadows Phase 1	1,099	-	-
Maricopa Meadows Total	1,626	1,626	304,387
Alterra North & South Total	1,005	1,005	188,136
Palo Brea Total	526	526	98,467
Desert Cedars Totals	418	418	78,250
Commercial		3,532	662,412
Estrella Gin Maricopa	184	91	17,035
North Total	31,803	25,860	4,830,795

SUMMARY / CONCLUSION

Based upon the data and analysis provided, PVUC's existing sewer collection system can be extended to provide service to the Property as identified in the CC&N Application. The collection system has been sized accordingly to receive the estimated demands for the Property, and will transfer the sewer to PVUC's Campus I Water Reclamation Facility for processing and treatment. Ultimately the recycled water will be transmitted back to the community for non-potable use. Given the timing of this development in conjunction with the sewer demands alongside other localized growth, the treatment capacity of Campus 1 will be assessed and properly expanded as necessary to meet all demands. PVUC has the ability to expand capacity of Campus 1 into its currently permitted 9.0 MGD.

The Property is contiguous to PVUC's current CC&N, with infrastructure in close proximity to the Property.



**Global Water - Palo Verde
Utilities Company
2014 CC&N Expansion
El Dorado Holdings, Inc.
Eagle Wing Parcels 1, 2, and 3**



GLOBAL WATER
RELIABLE • RENEWABLE • REUSABLE

PRELIMINARY ENGINEERING REPORT SEWER CC&N EXPANSION

**EAGLE SHADOWS, LLC c/o EL DORADO HOLDINGS, INC.
EAGLE WING PARCELS 1, 2, AND 3
LOCATED WITHIN**

**SECTION 1, T5S, R3E
SECTION 6, T5S, R4E
SECTION 7, T5S, R4E
SECTION 8, T5S, R4E**

PINAL COUNTY, ARIZONA

JULY, 2014

Prepared for:

**EAGLE SHADOW, LLC c/o EL DORADO HOLDINGS, INC.
426 N. 44TH ST, SUITE 100
PHOENIX, AZ 85005**

Prepared By:

Global Water – Palo Verde Utilities Company

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PROJECT LOCATION.....	2
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PROJECT SUMMARY

Eagle Wing Parcels 1, 2 and 3 ("the Property") has a combined 430 acres of undeveloped land owned by Eagle Shadows, LLC c/o El Dorado Holdings, Inc. The Property will be provided wastewater service from Global Water - Palo Verde Utilities Company (PVUC). PVUC has filed an application with the Arizona Corporation Commission with the intention to expand its Certificate of Convenience and Necessity ("CC&N") service area to include the Property.

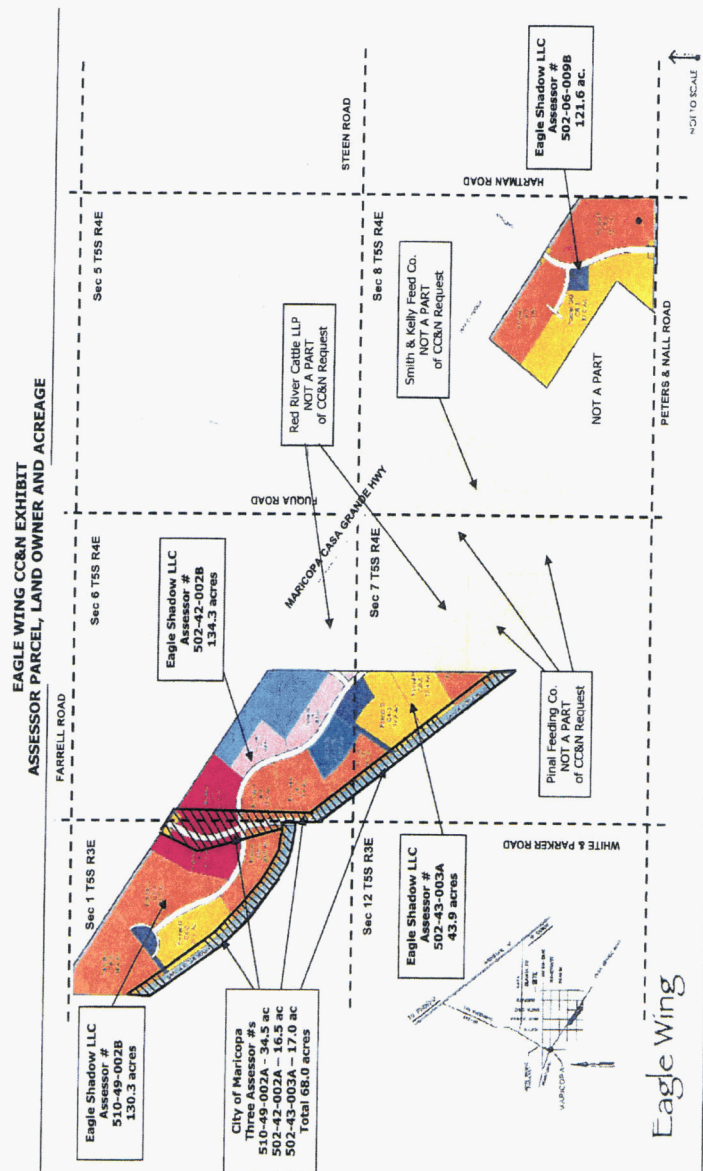
The Property is split into two separate areas, in which Parcels 1 and 2 are adjoined, while Parcel 3 is a separate section of land in relatively close proximity to Parcel 1 and 2.

The Property consists of primarily Residential and Commercial Use, with a small amount of Industrial Use. Design criteria will be in accordance with the requirements of the most recent version of Global Water's Standards for Planning, Design and Construction. The standards can be found online at www.gwresources.com.

To provide sewer service to this Property, a 24" sewer line will be extended to Parcels 1 and 2 and a separate sewer line extension to serve Parcel 3. At this time, a final design has not been determined and an accurate wastewater model cannot be provided. Therefore, demands have been estimated based upon pre-engineering analysis.

PROJECT LOCATION

The Property is two separate plots of land that are not adjoining and located in Section 1, Township 5 South, Range 3 East, Section 6, Township 5 South, Range 4 East, Section 7, Township 5 South, and Section 8, Township 5 South, Range 4 East of the Gila and Salt River Base Meridian, Pinal County, Arizona and within the incorporated City of Maricopa. The Property is bound by the Maricopa Casa Grande Highway to the North, and Peters & Nall Road to the South, Porter Road to the West, and Hartmann Road to the West (See Sheet No. 2).



Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – Eagle Shadow, LLC c/o El Dorado Holdings, Inc. - Eagle Wing Parcels 1, 2, and 3

LEGAL DESCRIPTION

No. NCS-504471-PHX1

EXHIBIT "A"

PARCEL NO. 1: Assessor Parcel #510-49-002B 130.3 acres

THAT PORTION OF PARCEL 1 DESCRIBED IN DOCUMENT RECORDED AS 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 1, TOWNSHIP 5 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 1;

THENCE SOUTH 89 DEGREES 57 MINUTES 17 SECONDS EAST, A DISTANCE OF 2,377.67 FEET ALONG THE NORTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 1 TO THE NORTHWEST CORNER OF SAID PARCEL 1 AND THE POINT OF BEGINNING;

THENCE CONTINUING SOUTH 89 DEGREES 57 MINUTES 17 SECONDS EAST ALONG SAID NORTH LINE, A DISTANCE OF 259.66 FEET TO THE NORTH QUARTER CORNER OF SAID SECTION 1;

THENCE CONTINUING SOUTH 89 DEGREES 57 MINUTES 17 SECONDS EAST ALONG THE NORTH LINE OF THE NORTHEAST CORNER OF SAID SECTION 1, A DISTANCE OF 222.09 FEET TO THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 49 MINUTES 05 SECONDS EAST, ALONG SAID SOUTHWESTERLY RIGHT OF WAY LINE A DISTANCE OF 2,666.32 FEET TO THE WESTERLY LINE OF A PARCEL OF LAND DEEDED TO THE CITY OF MARICOPA IN DEED RECORDED AS 2010-114179 OF OFFICIAL RECORDS PINAL COUNTY RECORDS;

THENCE SOUTH 25 DEGREES 52 MINUTES 03 SECONDS WEST, A DISTANCE OF 755.50 FEET ALONG THE WEST LINE OF SAID PARCEL;

THENCE SOUTH 13 DEGREES 11 MINUTES 06 SECONDS EAST, A DISTANCE OF 1,535.51 FEET ALONG THE WEST LINE OF SAID PARCEL;

THENCE NORTH 89 DEGREES 46 MINUTES 01 SECONDS WEST, A DISTANCE OF 697.22 FEET ALONG THE NORTHERLY LINE OF SAID PARCEL;

THENCE NORTH 46 DEGREES 59 MINUTES 01 SECONDS WEST, ALONG SAID NORTH LINE, A DISTANCE OF 970.00 FEET ALONG THE NORTHERLY LINE OF SAID PARCEL;

THENCE NORTH 36 DEGREES 59 MINUTES 01 SECONDS WEST, CONTINUING ALONG SAID NORTH LINE, A DISTANCE OF 970.00 FEET;

THENCE NORTH 31 DEGREES 59 MINUTES 01 SECONDS WEST, CONTINUING ALONG SAID NORTH LINE, A DISTANCE OF 1,260.00 FEET TO A POINT ON THE WESTERLY LINE OF SAID PARCEL 1;

THENCE NORTH 00 DEGREES 07 MINUTES 59 SECONDS EAST, ALONG SAID WESTERLY LINE A DISTANCE OF 1,241.13 FEET TO THE POINT OF BEGINNING.

PARCEL NO. 2: Assessor Parcel #502-42-002B 134.3 acres

THAT PORTION OF PARCEL 2 DESCRIBED IN DOCUMENT RECORDED AS 2005-066538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 6, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 6;

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – Eagle Shadow, LLC c/o El Dorado Holdings, Inc. - Eagle Wing Parcels 1, 2, and 3

No. NCS-504471-PHX1

THENCE NORTH 89 DEGREES 56 MINUTES 52 SECONDS EAST, ALONG THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 6, A DISTANCE OF 837.76 FEET TO A POINT ON THE NORTHERLY LINE OF A PARCEL DEEDED TO THE CITY OF MARICOPA IN DEED RECORDED AS 2010-114179 OF OFFICIAL RECORDS AND THE POINT OF BEGINNING;

THENCE NORTH 33 DEGREES 04 MINUTES 04 SECONDS WEST, ALONG SAID NORTHERLY LINE, A DISTANCE OF 260.50 FEET TO THE BEGINNING OF A TANGENT CURVE;

THENCE NORTHWESTERLY 780.48 FEET ALONG THE ARC OF SAID CURVE AND SAID NORTHERLY LINE, BEING CONCAVE TO THE SOUTHWEST, HAVING A RADIUS OF 3,034.79 FEET, THROUGH A CENTRAL ANGLE OF 14 DEGREE 44 MINUTES 07 SECONDS;

THENCE NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, BEING PARALLEL WITH AND 187.50 FEET EAST OF THE WEST LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 1,890.86 FEET ALONG THE EASTERLY LINE OF SAID PARCEL;

THENCE NORTH 00 DEGREES 18 MINUTES 31 SECONDS EAST, A DISTANCE OF 806.89 FEET ALONG SAID EASTERLY LINE TO A POINT ON THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 49 MINUTES 05 SECONDS EAST, ALONG SAID SOUTHWESTERLY RIGHT OF WAY LINE, A DISTANCE OF 2,854.30 FEET TO THE NORTHEAST CORNER OF SAID PARCEL 2;

THENCE SOUTH 01 DEGREES 01 MINUTES 53 SECONDS WEST, ALONG THE EASTERLY LINE OF SAID PARCEL 2, A DISTANCE OF 1,822.10 FEET TO A POINT ON THE SOUTH LINE OF SAID SOUTHWEST QUARTER;

THENCE SOUTH 89 DEGREES 56 MINUTES 52 SECONDS WEST, ALONG SAID SOUTH LINE, A DISTANCE OF 1,636.12 FEET TO THE POINT OF BEGINNING.

PARCEL NO. 3: Assessor Parcel #502-43-003A 43.9 acres

THAT PORTION OF PARCEL 2 DESCRIBED IN DOCUMENT RECORDED AS 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 7, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 7;

THENCE NORTH 89 DEGREES 56 MINUTES 52 SECONDS EAST, ALONG THE NORTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 7, A DISTANCE OF 842.83 FEET TO A POINT ON THE NORTHERLY LINE OF A PARCEL DEEDED TO THE CITY OF MARICOPA IN DEED RECORDED AS 2010-114179 OF OFFICIAL RECORDS AND THE POINT OF BEGINNING;

THENCE CONTINUING NORTH 89 DEGREES 56 MINUTES 52 SECONDS EAST ALONG SAID NORTH LINE, A DISTANCE OF 1,631.05 FEET TO A POINT ON THE EASTERLY LINE OF SAID PARCEL 2;

THENCE SOUTH 00 DEGREES 30 MINUTES 08 SECONDS EAST, ALONG SAID EASTERLY LINE, A DISTANCE OF 2,346.17 FEET TO A POINT ON SAID NORTHERLY LINE;

THENCE NORTH 35 DEGREES 09 MINUTES 45 SECONDS WEST, ALONG SAID NORTHERLY LINE, A DISTANCE OF 2,867.91 FEET TO THE POINT OF BEGINNING.

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – Eagle Shadow, LLC c/o El Dorado Holdings, Inc. - Eagle Wing Parcels 1, 2, and 3

EXHIBIT A

PINAL FEEDING
JN 04-1085

Assessor Parcel #502-06-009B

LEGAL DESCRIPTION

PHASE 1

THAT PORTION OF SECTION 8, TOWNSHIP 5 SOUTH, RANGE 4 EAST, OF THE
GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA, MORE
PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID SECTION 8;
THENCE S89°31'13"W, ALONG THE SOUTH LINE OF THE SOUTHEAST QUARTER
OF SAID SECTION 8, A DISTANCE OF 1,936.25 FEET TO THE SOUTHWEST
CORNER OF PARCEL 1, AS SHOWN IN BOOK 12 OF SURVEYS, PAGE 29,
RECORDS OF PINAL COUNTY;
THENCE N35°45'13"E, ALONG THE WESTERLY LINE OF SAID PARCEL 1, A
DISTANCE OF 951.00 FEET;
THENCE N54°20'47"W, ALONG SAID WESTERLY LINE, A DISTANCE OF 2,203.00
FEET;
THENCE N35°37'13"E, ALONG NORTHWESTERLY LINE OF SAID PARCEL 1, A
DISTANCE OF 1,388.68 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-
WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;
THENCE S54°22'17"E, ALONG SAID SOUTHERLY LINE, A DISTANCE OF 2,886.76
FEET TO A POINT ON THE EAST LINE OF SAID SECTION 8;
THENCE LEAVING SAID SOUTH LINE S00°35'37"E, ALONG SAID EAST LINE A
DISTANCE OF 1,486.96 FEET TO THE POINT OF BEGINNING.

SAID PARCEL CONTAINS 5,298,517 SQUARE FEET OR 121.637 ACRES, MORE
OR LESS.

OLSSON ASSOCIATES
7250 NORTH 16TH STREET, SUITE 210
PHOENIX, ARIZONA 85020
(602) 748-1000



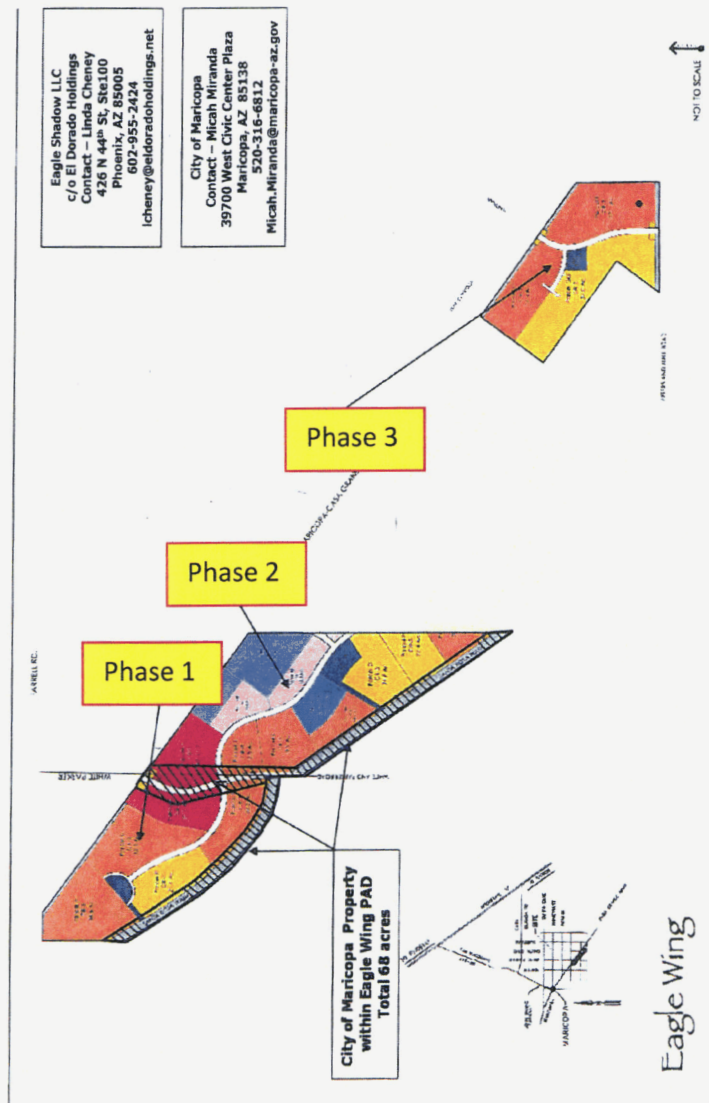
Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – Eagle Shadow, LLC c/o El Dorado Holdings, Inc. - Eagle Wing Parcels 1, 2, and 3

TOPOGRAPHIC CONDITIONS

NONE AVAILABLE AT THIS TIME

PROPOSED DEVELOPMENT PHASING

The Property consists of primarily Residential and Commercial Use, with a small amount of Industrial Use. The Property has been split into three proposed phases, with an ultimate preliminary master plan to subdivide the Property into 20+ parcels as development occurs.



DESIGN CRITERIA



DESIGN & CONSTRUCTION STANDARDS

WASTEWATER SYSTEM STANDARDS

I. WASTEWATER SYSTEM DESIGN CRITERIA

A. Design Flows

All design flows used in hydraulic analysis and design shall be as per the latest Global Water- Palo Verde Utilities Code of Practice.

All sewers shall be designed for peak flow conditions. In the absence of flow data, new domestic sewage systems shall be designed based on the following criteria:

Land Use	Unit	Average Daily Demand	Peaking Factor
Residential	Dwelling Unit	234 gpd	Refer to Table 1 of AAC R-18-9-E301.D.1.a
Commercial*	Square Foot of Building	0.1 gpd	2.0
	Acre of Commercial Property	2,200 gpd	2.0
Industrial*	Acre of Industrial Property	1,200 gpd	2.0
School	Student	25 gpd	4.8

*Does not include high water use commercial/industrial facilities such as restaurants, car washes, bottling plants, etc. Contact the applicable utility for high water use operations.

For preliminary design only, a density of 4.5 dwelling units per acre shall be utilized for single family residential properties without a land use plan. Final design shall be based on the actual density.

B. Hydraulic Design

The minimum allowable slope for an 8-inch sewer shall be equal to 0.0035 ft/ft unless otherwise approved by Global Water. For all other sewer sizes, the sewer lines shall be designed and constructed to provide a minimum velocity of 2.0 feet per second (fps) when flowing full. Hydraulic calculations shall be provided to demonstrate that a flushing velocity in excess of 1.5 fps is attained during peak flow conditions. Global may approve exceptions to the flushing velocity requirement in areas of low flow, or where slopes may not be reasonably increased to achieve an appropriate velocity. Increasing pipe diameter to reduce required minimum slope is unacceptable unless minimum velocity criteria can be met. A design Manning's Formula "n" value equal to 0.013 shall be utilized for all pipe materials. Peak design velocities shall be less than 8 fps.

Other than private services, no sewers shall be less than 8 inches in diameter.

The ratio of flow depth in the pipe to the pipe diameter (d/D) shall not exceed 0.75 in peak dry weather flow. Consequently, the maximum sewer design capacity shall be equal to 91% of the full flow capacity at the peak design flow.

All manholes shall have a minimum drop of 0.10 feet across the manhole for all sewers.

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – Eagle Shadow, LLC c/o El Dorado Holdings, Inc. - Eagle Wing Parcels 1, 2, and 3

DEMANDS

Parcel	Acres	Avg Daily Demand	Total GPD	Monthly Demand	Total Meters	# of Accts
Residential	250.00	1,125	281,250	8,437,500	1292	1292
Commercial	75.00	2,800	210,000	6,300,000	146	146
Industrial	15.00	1,800	27,000	810,000	15	15
Irrigation	46.00	0	0	0	0	0
Common	44.00	0	0	0	0	0
	430.00		237,000	15,547,500	1453	1453

EXISTING INFRASTRUCTURE AND PROPOSED NEW INFRASTRUCTURE

PROPOSED CC&N EXPANSION
EAGLE WING SEWER EXHIBIT



PROPOSED CC&N EXPANSION EAGLE WING ON-SITE SEWER EXHIBIT



Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – Eagle Shadow, LLC c/o El Dorado Holdings, Inc. - Eagle Wing Parcels 1, 2, and 3

PROPOSED NEW INFRASTRUCTURE / ESTIMATED COSTS

EAGLE WING					
Off-site Infrastructure	Quantity	Units	Unit Price	Total	NARUC
24" PVC SDR 35	11640	LF	\$ 110.00	\$ 1,280,400.00	361
60" Manhole	20	Ea	\$ 2,500.00	\$ 50,000.00	361
Jack and Bore	1600	LF	\$ 200.00	\$ 320,000.00	331
Engineering and Permits	10%	ls	\$ -	\$ 165,040.00	361
Total				\$ 1,815,440.00	

EAGLE WING						
Phase 1 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" PVC SDR 35	3100	LF	\$ 75.00	\$ 232,500.00	361	
8" SDR 35	4100	LF	\$ 60.00	\$ 246,000.00	361	
48" Manhole	12	Ea	\$ 1,000.00	\$ 12,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 34,350.00	361	\$ 524,850.00
6" Services	171	Ea	\$ 500.00	\$ 85,500.00	363	\$ 85,500.00
TOTAL PHASE 1				\$ 610,350.00		\$ 610,350.00

EAGLE WING						
Phase 2 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
8" SDR 35	5600	LF	\$ 60.00	\$ 336,000.00	361	
48" Manhole	7	Ea	\$ 1,000.00	\$ 7,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 42,850.00	361	\$ 385,850.00
6" Services	171	Ea	\$ 500.00	\$ 85,500.00	363	\$ 85,500.00
TOTAL PHASE 2				\$ 471,350.00		\$ 471,350.00

EAGLE WING						
Phase 3 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
8" SDR 35	3200	LF	\$ 60.00	\$ 192,000.00	361	
48" Manhole	5	Ea	\$ 1,000.00	\$ 5,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 28,300.00	361	\$ 225,300.00
6" Services	172	Ea	\$ 500.00	\$ 86,000.00	363	\$ 86,000.00
TOTAL PHASE 3				\$ 311,300.00		\$ 311,300.00

COMMITTED SEWER – TOTAL DWELLING UNITS

PAD OR MASTER PLAN LOCATION	TOTAL NO. OF LOTS	TOTAL NO. OF LOTS COMMITTED	TREATMENT REQUIREMENTS AT GPD/DU
North Region			187.2 GPD/DU
Rancho El Dorado	3,210	3,210	600,912
The Villages	1,938	1,938	362,794
Acacia Crossings	739	739	138,341
Cobblestone Farms	891	891	166,795
Province *	1,333	1,333	255,154
Santa Rosa Springs	790	647	121,118
Glennwilde	2,130	1,948	364,666
Rancho Mirage Estates	2,153	664	124,301
Sorrento Phase 1	821	821	153,691
Sorrento Phase 3	651	-	-
Dunn Ranch	641	-	-
El Rancho Santa Rosa	720	-	-
Santa Rosa Crossings	351	230	43,056
Homestead Village	2,308	1,726	323,107
Rancho El Dorado Phase III	1,803	903	169,042
Del Tessa	-	-	-
Province Phase III	862	255	47,736
Tortosa NW (Cottonwood)	1,290	1,290	241,488
Tortosa South	1,172	-	-

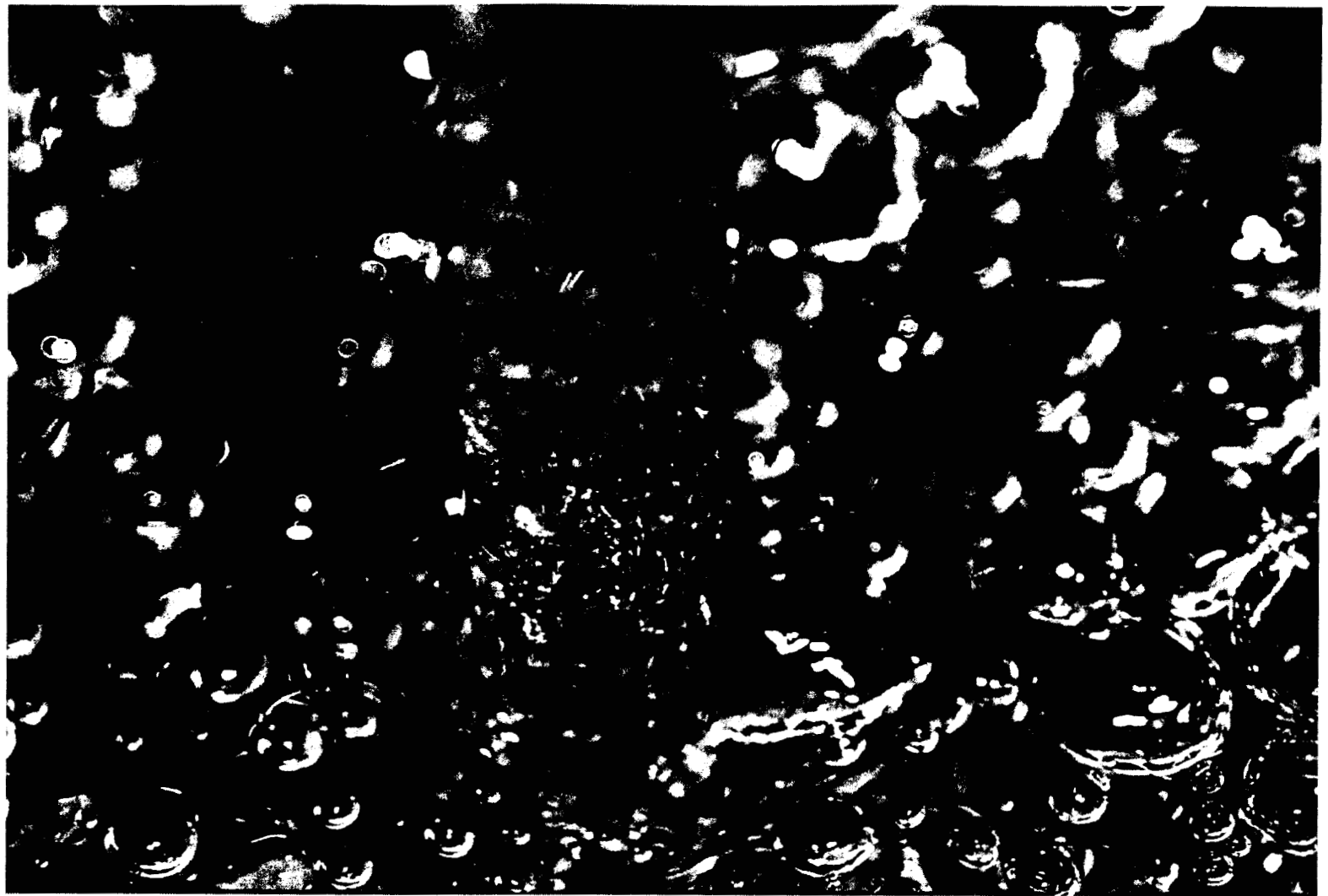
Global Water - Palo Verde Utilities Company
2014 CC&N Expansion – Eagle Shadow, LLC c/o El Dorado Holdings, Inc. - Eagle Wing Parcels 1, 2, and 3

Tortosa NE	1,062	-	-
Maricopa Groves (Senita)	1,375	1,375	257,400
Smith Farms	705	601	112,507
Eagle Shadows Phase 1	1,099	-	-
Maricopa Meadows Total	1,626	1,626	304,387
Alterra North & South Total	1,005	1,005	188,136
Palo Brea Total	526	526	98,467
Desert Cedars Totals	418	418	78,250
Commercial		3,532	662,412
Eagle Wing	1,288	514	96,221
North Total	32,907	26,192	4,909,980

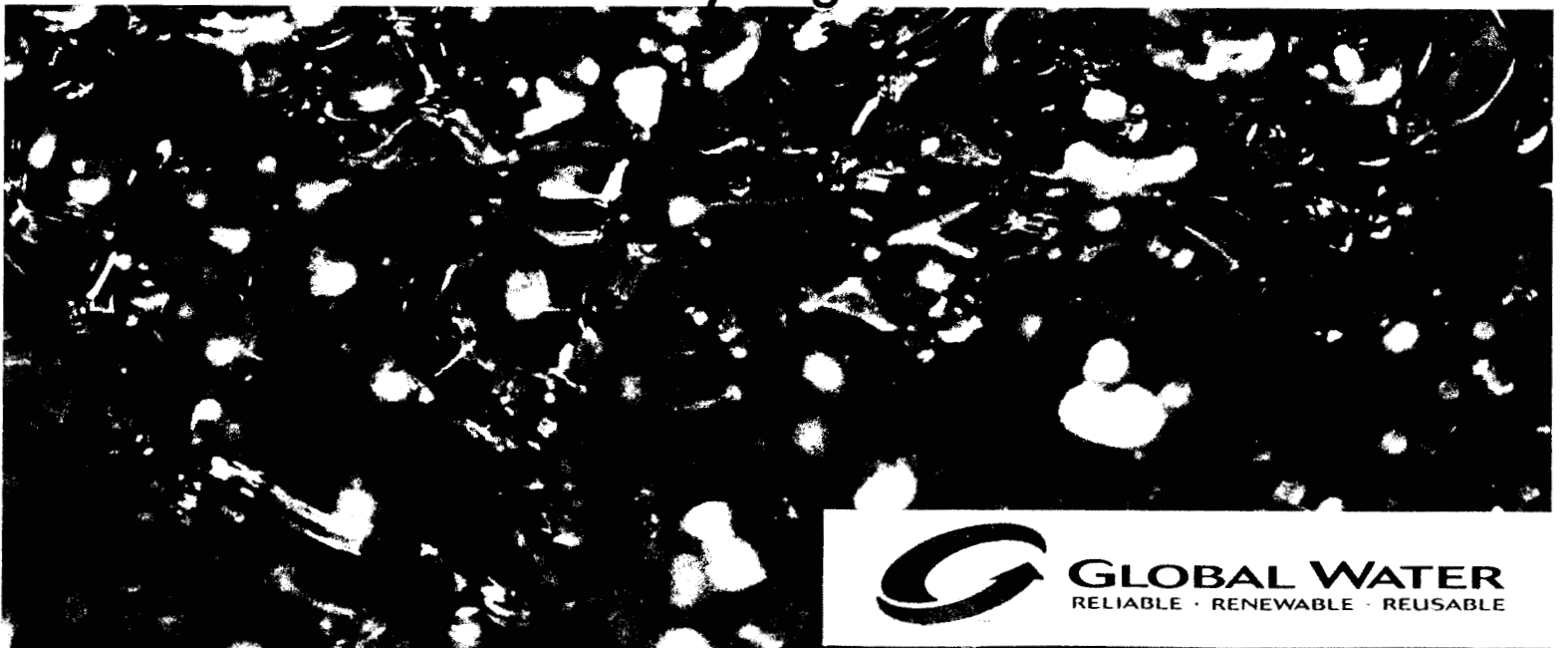
SUMMARY / CONCLUSION

Based upon the data and analysis provided, PVUC's existing sewer collection system can be extended to provide service to the Property as identified in the CC&N Application. The collection system has been sized accordingly to receive the estimated demands for the Property, and will transfer the sewer to PVUC's Campus I Water Reclamation Facility for processing and treatment. Ultimately the recycled water will be transmitted back to the community for non-potable use. Given the timing of this development in conjunction with the sewer demands alongside other localized growth, the treatment capacity of Campus 1 will be assessed and properly expanded as necessary to meet all demands. PVUC has the ability to expand capacity of Campus 1 into its currently permitted 9.0 MGD.

The Property is contiguous to PVUC's current CC&N, with infrastructure in close proximity to the Property.



**Global Water - Palo Verde
Utilities Company
2014 CC&N Expansion
Pinal County – Maricopa
Recycling Center**



GLOBAL WATER
RELIABLE · RENEWABLE · REUSABLE

**PRELIMINARY ENGINEERING REPORT
SEWER CC&N EXPANSION**

**PINAL COUNTY
MARICOPA RECYCLING CENTER**

**SECTION 21, T4S, R3E
PINAL COUNTY, ARIZONA**

JULY, 2014

Prepared for:

PINAL COUNTY

Prepared By:

Global Water – Palo Verde Utilities Company

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PROJECT SUMMARY

Maricopa Recycling Center (the "Property") is a 2 acre commercial property owned by Pinal County. The Property will be provided sewer service from Global Water - Palo Verde Utility Company (PVUC). PVUC has filed an application with the Arizona Corporation Commission with the intention to expand its Certificate of Convenience and Necessity ("CC&N") service area to include the Property.

The Property is a commercial non-profit organization owned by Pinal County. Pinal County has requested that sewer service be obtained by PVUC to accommodate a restroom facility for employee staff. Therefore, the Property is being included in the application. Design criteria will be in accordance with the requirements of the most recent version of Global Water's Standards for Planning, Design, and Construction. These standards can be found online at www.gwresources.com.

At this time, a final design has not been determined and an accurate wastewater model cannot be provided. Therefore, demands have been estimated based upon pre-engineering analysis.

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion Pinal County - Recycling Center

PROJECT LOCATION

The Property is located in Section 21, Township 4 South, Range 3 East of the Gila and Salt River Base Meridian, Pinal County, Arizona and within the incorporated City of Maricopa. The Property is bound by the Union Pacific Railroad to the North, Green Road to the East, McDavid Road to the South and undeveloped land to the West.



Global Water - Palo Verde Utilities Company
2014 CC&N Expansion Pinal County - Recycling Center

LEGAL DESCRIPTION

*** CERTIFICATE OF RECORDING ***

STATE OF ARIZONA, COUNTY OF PINAL (SS)
I HEREBY CERTIFY THAT THE WITHIN INSTRUMENT WAS FILED FOR RECORD IN
PINAL COUNTY, STATE OF ARIZONA. WITNESS MY HAND AND OFFICIAL SEAL.

NO: 787415 TIME 0905 01MAR85 PAGES 001 FEE \$ 0.00

KATHLEEN C. FELIX
PINAL COUNTY RECORDER, BY *[Signature]* DEPUTY

787415

STATE OF ARIZONA, } County of }	as. I hereby certify that the within instrument was filed and recorded	Fee No
	In DOCKET 1272-511 and indexed in deeds.	
at the request of When recorded, mail to Pinal County Highway Department P. O. Box 727 Florence, Arizona 85232	Witness my hand and official seal By _____ Deputy Recorder	Compared Photostated Fee

Order No Maricopa Transfer Station **WARRANTY DEED**

For the consideration of Ten and 00/100 Dollars, and other valuable considerations, I or we,

Raymond H. Lacy and Maybelle E. Lacy

the GRANTORS

do hereby convey to Pinal County

the GRANTEE
County, Arizona.

the following described real property situate in Pinal

The South 264 feet of the West half of the West half of the Southwest quarter
of the Southwest quarter of Section 21, Township 4 South, Range 3 East of
Gila and Salt River Base and Meridian, Pinal County, Arizona containing 2.00 acres ±

And the Grantor do warrant the title against all persons whomsoever, subject to the matters above
set forth.

Dated this 28th day of February

[Signature: Raymond H. Lacy]
Raymond H. Lacy
[Signature: Maybelle E. Lacy]
Maybelle E. Lacy

STATE OF ARIZONA }
County of Pinal }
as. This instrument was acknowledged before me this 28th day of
February by the Grantors
Raymond H. Lacy and Maybelle E. Lacy

My commission will expire: January 12, 1986

[Signature: Rodney W. Hampton]
Notary Public

STATE OF ARIZONA }
County of }
as. This instrument was acknowledged before me this _____ day of
_____ by the Grantors

My commission will expire

Notary Public

ATI Form 903

TOPOGRAPHIC CONDITIONS

Not available at this time

PROPOSED DEVELOPMENT PHASING

The project will be completed in one phase upon CC&N extension approval.

DESIGN CRITERIA



DESIGN & CONSTRUCTION STANDARDS

WASTEWATER SYSTEM STANDARDS

I. WASTEWATER SYSTEM DESIGN CRITERIA

A. Design Flows

All design flows used in hydraulic analysis and design shall be as per the latest Global Water- Palo Verde Utilities Code of Practice.

All sewers shall be designed for peak flow conditions. In the absence of flow data, new domestic sewage systems shall be designed based on the following criteria:

Land Use	Unit	Average Daily Demand	Peaking Factor
Residential	Dwelling Unit	234 gpd	Refer to Table 1 of AAC R-18-9-E301.D.1.a
Commercial*	Square Foot of Building	0.1 gpd	2.0
	Acre of Commercial Property	2,200 gpd	2.0
Industrial*	Acre of Industrial Property	1,200 gpd	2.0
School	Student	25 gpd	4.8

*Does not include high water use commercial/industrial facilities such as restaurants, car washes, bottling plants, etc. Contact the applicable utility for high water use operations.

For preliminary design only, a density of 4.5 dwelling units per acre shall be utilized for single family residential properties without a land use plan. Final design shall be based on the actual density.

B. Hydraulic Design

The minimum allowable slope for an 8-inch sewer shall be equal to 0.0035 ft/ft unless otherwise approved by Global Water. For all other sewer sizes, the sewer lines shall be designed and constructed to provide a minimum velocity of 2.0 feet per second (fps) when flowing full. Hydraulic calculations shall be provided to demonstrate that a flushing velocity in excess of 1.5 fps is attained during peak flow conditions. Global may approve exceptions to the flushing velocity requirement in areas of low flow, or where slopes may not be reasonably increased to achieve an appropriate velocity. Increasing pipe diameter to reduce required minimum slope is unacceptable unless minimum velocity criteria can be met. A design Manning's Formula "n" value equal to 0.013 shall be utilized for all pipe materials. Peak design velocities shall be less than 8 fps.

Other than private services, no sewers shall be less than 8 inches in diameter.

The ratio of flow depth in the pipe to the pipe diameter (d/D) shall not exceed 0.75 in peak dry weather flow. Consequently, the maximum sewer design capacity shall be equal to 91% of the full flow capacity at the peak design flow.

All manholes shall have a minimum drop of 0.10 feet across the manhole for all sewers.

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion Pinal County - Recycling Center

DEMANDS

Parcel	Acres	Avg Daily Demand	Total GPD	Monthly Demand	Total Meters	# of Accts
Residential	0.00	1,125	-	-	0	0
Commercial	2.00	2,800	5,600	168,000	2	2
Industrial	0.00	1,800	-	-	0	0
	2.00		5,600	168,000		2

EXISTING INFRASTRUCTURE AND PROPOSED NEW INFRASTRUCTURE

PROPOSED CC&N EXPANSION
RECYCLE CENTER SEWER EXHIBIT



Q:\Asset Management\GIS\Projects\GIS Operations\GWRMap Request\GWR_CCN_Expansion_RecycleCenter_Sewer_Exh.pdf

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion Pinal County - Recycling Center

PROPOSED NEW INFRASTRUCTURE / ESTIMATED COSTS

RECYCLING CENTER					
Off-site Infrastructure	Quantity	Units	Unit Price	Total	NARUC
No Off-site Infrastructure required					

RECYCLING CENTER						
On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
Engineering and Permits	10%	ls	\$ -	\$ 50.00	363	
6" Services	1	Ea	\$ 500.00	\$ 500.00	363	\$ 550.00
TOTAL PHASE 3				\$ 550.00		\$ 550.00

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion Pinal County - Recycling Center

COMMITTED SEWER – TOTAL DWELLING UNITS

PAD OR MASTER PLAN LOCATION	TOTAL NO. OF LOTS	TOTAL NO. OF LOTS COMMITTED	TREATMENT REQUIREMENTS AT GPD/DU
North Region			187.2 GPD/DU
Rancho El Dorado	3,210	3,210	600,912
The Villages	1,938	1,938	362,794
Acacia Crossings	739	739	138,341
Cobblestone Farms	891	891	166,795
Province *	1,333	1,333	255,154
Santa Rosa Springs	790	647	121,118
Glennwilde	2,130	1,948	364,666
Rancho Mirage Estates	2,153	664	124,301
Sorrento Phase 1	821	821	153,691
Sorrento Phase 3	651	-	-
Dunn Ranch	641	-	-
El Rancho Santa Rosa	720	-	-
Santa Rosa Crossings	351	230	43,056
Homestead Village	2,308	1,726	323,107
Rancho El Dorado Phase III	1,803	903	169,042
Del Tessa	-	-	-
Province Phase III	862	255	47,736
Tortosa NW (Cottonwood)	1,290	1,290	241,488
Tortosa South	1,172	-	-

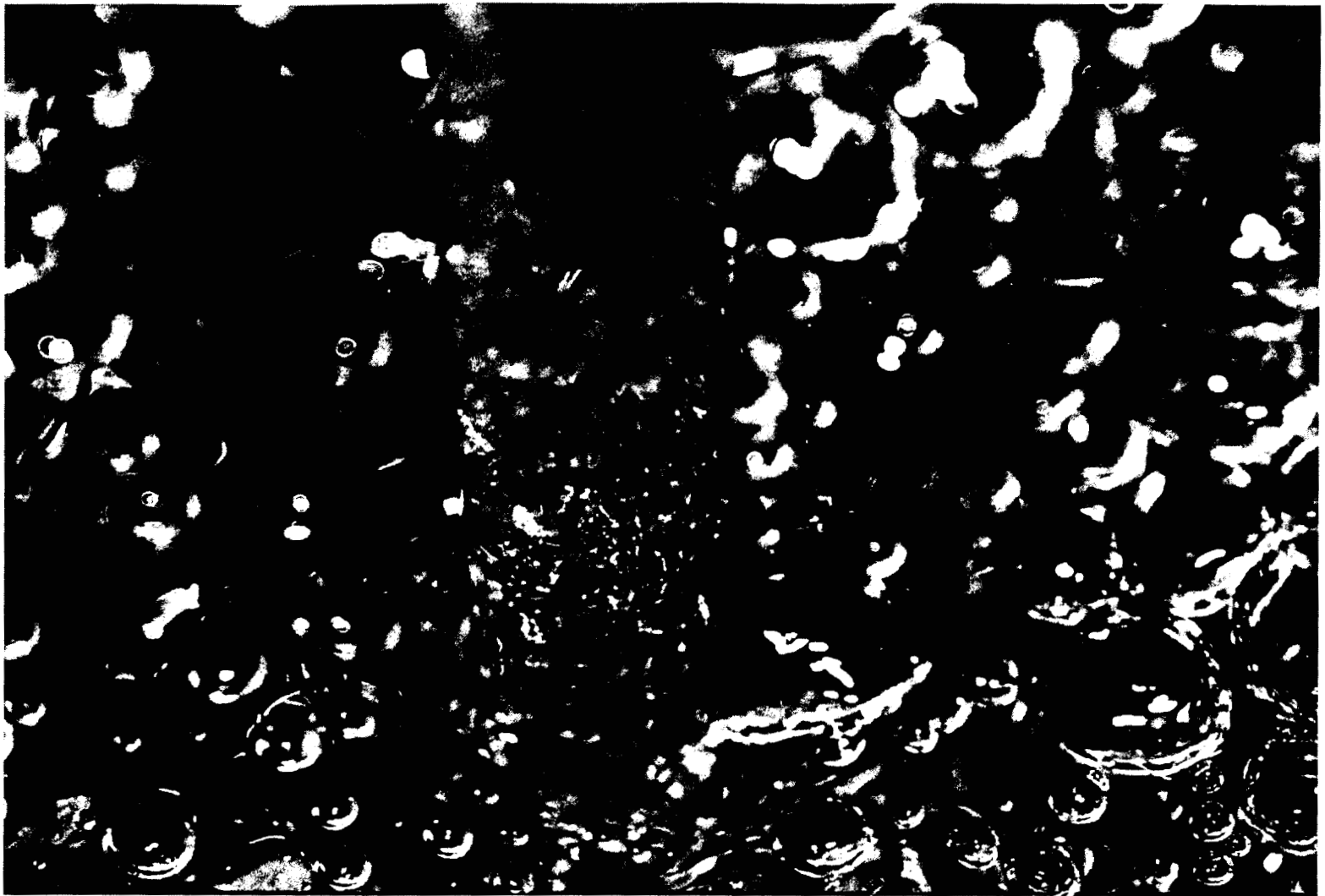
Global Water - Palo Verde Utilities Company
2014 CC&N Expansion Pinal County - Recycling Center

Tortosa NE	1,062	-	-
Maricopa Groves (Senita)	1,375	1,375	257,400
Smith Farms	705	601	112,507
Eagle Shadows Phase 1	1,099	-	-
Maricopa Meadows Total	1,626	1,626	304,387
Alterra North & South Total	1,005	1,005	188,136
Palo Brea Total	526	526	98,467
Desert Cedars Totals	418	418	78,250
Commercial		3,532	662,412
Recycling Center	4	4	4
North Total	31,623	25,769	4,813,764

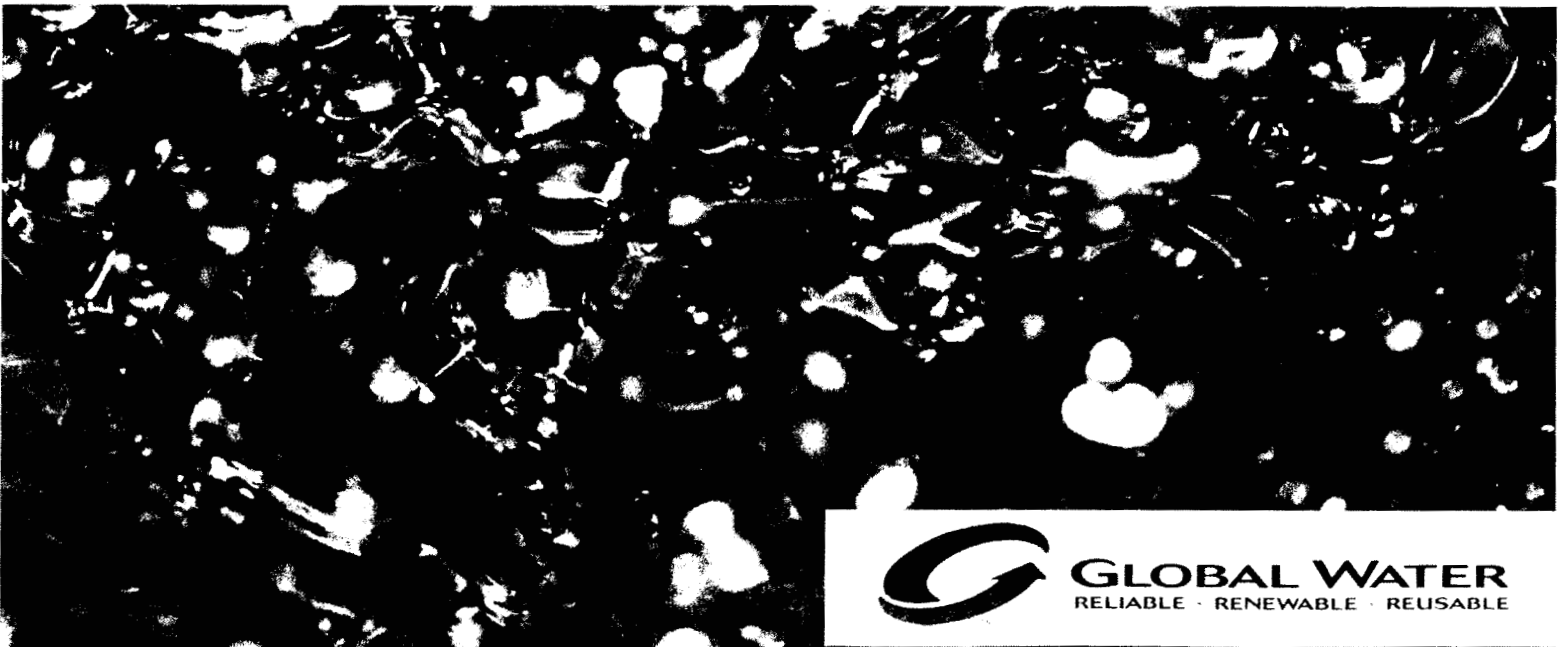
SUMMARY / CONCLUSION

Based upon the data and analysis provided, PVUC's existing sewer collection system can be extended to provide service to the Property as identified in the CC&N Application. The collection system has been sized accordingly to receive the estimated demands for the Property, and will transfer the sewer to PVUC's Campus I Water Reclamation Facility for processing and treatment. Ultimately the recycled water will be transmitted back to the community for non-potable use. Given the timing of this development in conjunction with the sewer demands alongside other localized growth, the treatment capacity of Campus 1 will be assessed and properly expanded as necessary to meet all demands. PVUC has the ability to expand capacity of Campus 1 into its currently permitted 9.0 MGD.

The Property is contiguous to PVUC's CC&N.



**Global Water - Palo Verde Utilities
Company
CC&N Expansion- 2014
Santa Cruz Land Development, LLC**



GLOBAL WATER
RELIABLE · RENEWABLE · REUSABLE

**PRELIMINARY ENGINEERING REPORT
SEWER CC&N EXPANSION**

**SANTA CRUZ LAND DEVELOPMENT, LLC
SECTION 21, T4S, R3E
PINAL COUNTY, ARIZONA**

JULY, 2014

Prepared for:

Santa Cruz Land Development, LLC
6849 E. County 9 ½ Street
Yuma, AZ 85365-8909

Prepared By:

Global Water – Palo Verde Utilities Company

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PROJECT SUMMARY

Santa Cruz Development, LLC owns 114 acres of undeveloped land (the "Property"). The Property will be provided wastewater service from Global Water - Palo Verde Utilities Company (PVUC). PVUC has filed an application with the Arizona Corporation Commission with the intention to extend its Certificate of Convenience and Necessity ("CC&N") service area to include the Property.

The Property consists of Commercial, Flex Office / Warehouse, and Industrial Use with no planned Residential at this time. Design criteria will be in accordance with the requirements of the most recent version of Global Water's Standards for Planning, Design and Construction. The standards can be found online at www.gwresources.com.

To provide wastewater service to this development, a 12" sewer line will be extended to the Northeast corner of the Property from a connection point that exists East of the Property along Highway 238.

At this time, a final design has not been determined and an accurate wastewater model cannot be provided. Therefore, demands have been estimated based upon pre-engineering analysis.

LEGAL DESCRIPTION

LEGAL DESCRIPTION

PARCEL NO. 1

THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 4 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA; EXCEPTING THEREFROM ANY PORTION LYING WITHIN THE SOUTHERN PACIFIC RAILROAD RIGHT OF WAY.

PARCEL NO. 2

THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 4 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA; EXCEPTING THEREFROM ANY PORTION LYING WITHIN THE FOLLOWING DESCRIBED PARCEL AS CONVEYED TO THE STATE OF ARIZONA, BY AND THROUGH ITS DEPARTMENT OF TRANSPORTATION, IN DOCKET 1495, PAGE 17, DESCRIBED AS FOLLOWS:

THAT PORTION OF THE NORTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 21, WHICH LIES BETWEEN THE SOUTH LINE OF THE EXISTING 33.00 FOOT PUBLIC HIGHWAY RIGHT OF WAY AND THE FOLLOWING DESCRIBED LINE:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 21;

THENCE SOUTH 00 DEGREES 52 MINUTES 48 SECONDS EAST A DISTANCE OF 50.00 FEET

ALONG THE WEST LINE OF SAID OF SAID SECTION 21, TO THE POINT OF BEGINNING;

THENCE NORTH 89 DEGREES 39 MINUTES 03 SECONDS EAST A DISTANCE OF 2900 FEET TO THE TERMINUS OF SAID LINE; AND

EXCEPT ANY PORTION OF FEE INTEREST IN AND TO SAID PUBLIC HIGHWAY RIGHT OF WAY, AS CONVEYED IN DOCKET 1957, PAGE 17; AND

EXCEPTING THEREFROM ANY PORTION OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21, AS CONVEYED IN INSTRUMENT NO. 1997-044070, TO MARICOPA DOMESTIC WATER IMPROVEMENT DISTRICT, A POLITICAL SUBDIVISION OF PINAL COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21;

THENCE SOUTH ALONG THE EAST LINE OF SAID NORTHWEST QUARTER OF THE NORTHWEST QUARTER A DISTANCE OF 50.00 FEET TO A POINT ON A LINE 50 FEET SOUTH OF AND PARALLEL WITH THE NORTH LINE OF THE NORTHWEST QUARTER, SAID POINT BEING THE POINT OF BEGINNING;

THENCE CONTINUING SOUTH ALONG SAID EAST LINE A DISTANCE OF 50.00 FEET TO A POINT ON A LINE PARALLEL WITH THE NORTH LINE OF SAID NORTHWEST QUARTER;

THENCE WEST ALONG SAID LINE A DISTANCE OF 50.00 FEET;

THENCE NORTH ALONG A LINE PARALLEL TO THE EAST LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER A DISTANCE OF 50.00 FEET TO A POINT ON A LINE 50 FEET SOUTH OF AND PARALLEL WITH THE NORTH LINE OF THE NORTHWEST QUARTER;

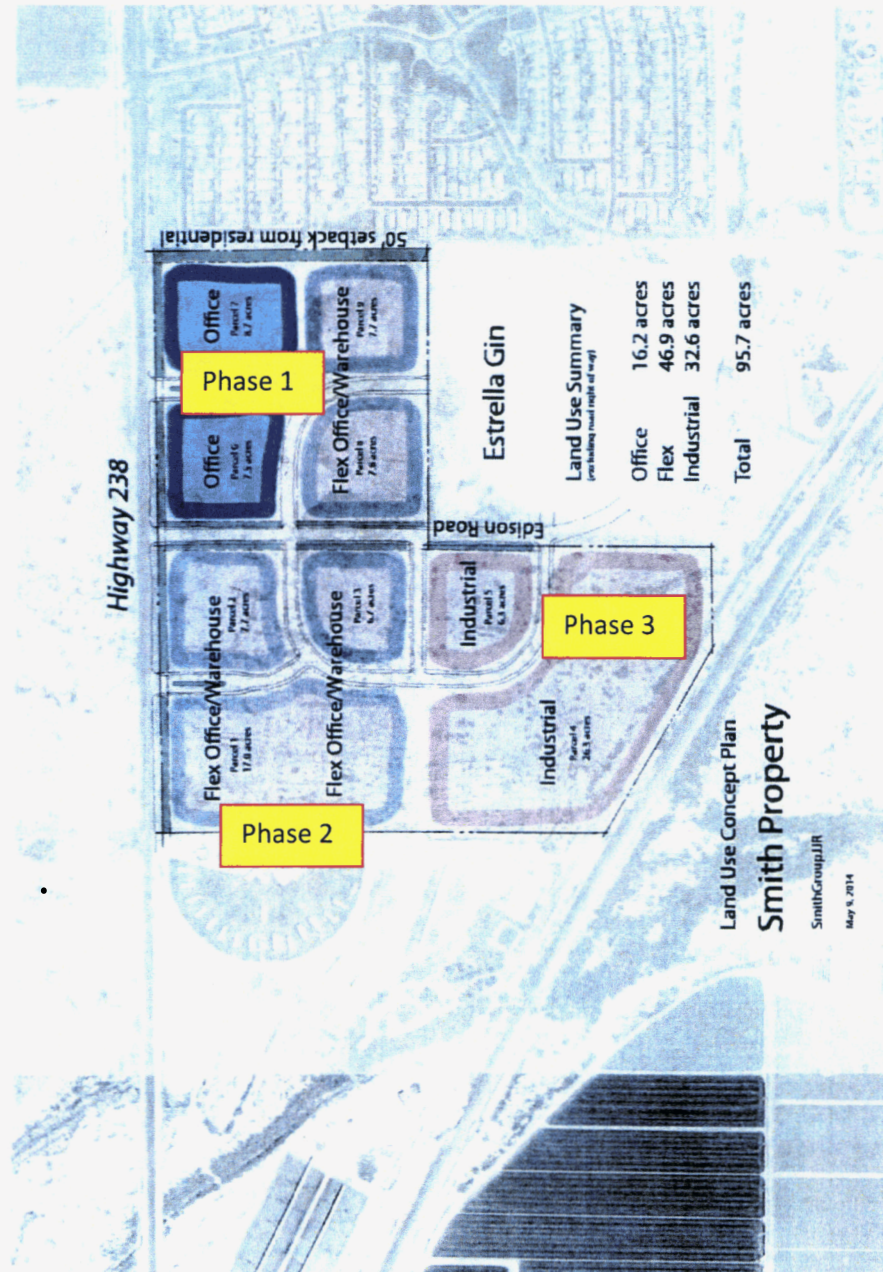
THENCE EAST ALONG SAID LINE A DISTANCE OF 50.00 FEET TO THE POINT OF BEGINNING.

TOPOGRAPHIC CONDITIONS

Not available at this time

PROPOSED DEVELOPMENT PHASING

The Property consists of Commercial, Flex Office / Warehouse, and Industrial Use with no planned Residential at this time. The Property has been split into three phases, with an ultimate preliminary master plan to subdivide the Property into 9+ parcels as development occurs.



DESIGN CRITERIA



DESIGN & CONSTRUCTION STANDARDS

WASTEWATER SYSTEM STANDARDS

I. WASTEWATER SYSTEM DESIGN CRITERIA

A. Design Flows

All design flows used in hydraulic analysis and design shall be as per the latest Global Water- Palo Verde Utilities Code of Practice.

All sewers shall be designed for peak flow conditions. In the absence of flow data, new domestic sewage systems shall be designed based on the following criteria:

Land Use	Unit	Average Daily Demand	Peaking Factor
Residential	Dwelling Unit	234 gpd	Refer to Table 1 of AAC R-18-9-E301.D.1.a
Commercial*	Square Foot of Building	0.1 gpd	2.0
	Acre of Commercial Property	2,200 gpd	2.0
Industrial*	Acre of Industrial Property	1,200 gpd	2.0
School	Student	25 gpd	4.8

*Does not include high water use commercial/industrial facilities such as restaurants, car washes, bottling plants, etc. Contact the applicable utility for high water use operations.

For preliminary design only, a density of 4.5 dwelling units per acre shall be utilized for single family residential properties without a land use plan. Final design shall be based on the actual density.

B. Hydraulic Design

The minimum allowable slope for an 8-inch sewer shall be equal to 0.0035 ft/ft unless otherwise approved by Global Water. For all other sewer sizes, the sewer lines shall be designed and constructed to provide a minimum velocity of 2.0 feet per second (fps) when flowing full. Hydraulic calculations shall be provided to demonstrate that a flushing velocity in excess of 1.5 fps is attained during peak flow conditions. Global may approve exceptions to the flushing velocity requirement in areas of low flow, or where slopes may not be reasonably increased to achieve an appropriate velocity. Increasing pipe diameter to reduce required minimum slope is unacceptable unless minimum velocity criteria can be met. A design Manning's Formula "n" value equal to 0.013 shall be utilized for all pipe materials. Peak design velocities shall be less than 8 fps.

Other than private services, no sewers shall be less than 8 inches in diameter.

The ratio of flow depth in the pipe to the pipe diameter (d/D) shall not exceed 0.75 in peak dry weather flow. Consequently, the maximum sewer design capacity shall be equal to 91% of the full flow capacity at the peak design flow.

All manholes shall have a minimum drop of 0.10 feet across the manhole for all sewers.

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion - Santa Cruz Land Development, LLC

DEMANDS

Parcel	Acres	Avg Day Demand	Total GPD	Mon/ Demand	Water Meters	# of Accts
Residential	0.00	1,053	-	-	0	0
Commercial	63.10	2,200.00	138,820	4,164,600	123	123
Industrial	32.60	1,200	39,120	1,173,600	32	32
Irrigation	18.30	0	0	0	0	0
	114.00		177,940	5,338,200	155	155

EXISTING INFRASTRUCTURE AND PROPOSED NEW INFRASTRUCTURE

PROPOSED CC&N EXPANSION
SANTA CRUZ LAND COMPANY
SEWER EXHIBIT



PROPOSED CC&N EXPANSION SANTA CRUZ LAND COMPANY ON-SITE SEWER EXHIBIT



Global Water - Palo Verde Utilities Company
2014 CC&N Expansion - Santa Cruz Land Development, LLC

PROPOSED NEW INFRASTRUCTURE / ESTIMATED COSTS

SANTA CRUZ LAND					
Offsite Infrastructure	Quantity	Units	Unit Price	Total	NARUC
12" PVC SDR 35	1991	LF	\$ 75.00	\$ 149,325.00	361
60" Manhole	6	Ea	\$ 2,500.00	\$ 15,000.00	361
Engineering and Permits	10%	ls	\$ -	\$ 16,432.50	361
Total				\$ 180,757.50	

SANTA CRUZ LAND						
Phase 1 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
8" SDR 35	1550	LF	\$ 60.00	\$ 93,000.00	361	
48" Manhole	4	Ea	\$ 2,000.00	\$ 8,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 13,700.00	361	\$ 114,700.00
6" Services	72	Ea	\$ 500.00	\$ 36,000.00	363	\$ 36,000.00
TOTAL PHASE 1				\$ 150,700.00		\$ 150,700.00

SANTA CRUZ LAND						
Phase 2 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
8" SDR 35	2900	LF	\$ 60.00	\$ 174,000.00	361	
48" Manhole	8	Ea	\$ 2,000.00	\$ 16,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 22,600.00	361	\$ 212,600.00
6" Services	72	Ea	\$ 500.00	\$ 36,000.00	363	\$ 36,000.00
TOTAL PHASE 2				\$ 248,600.00		\$ 248,600.00

SANTA CRUZ LAND						
Phase 3 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
8" SDR 35	1900	LF	\$ 60.00	\$ 114,000.00	361	
48" Manhole	4	Ea	\$ 2,000.00	\$ 8,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 15,850.00	361	\$ 137,850.00
6" Services	73	Ea	\$ 500.00	\$ 36,500.00	363	\$ 36,500.00
TOTAL PHASE 3				\$ 174,350.00		\$ 174,350.00

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion - Santa Cruz Land Development, LLC

COMMITTED SEWER – TOTAL DWELLING UNITS

PAD OR MASTER PLAN LOCATION	TOTAL NO. OF LOTS	TOTAL NO. OF LOTS COMMITTED	TREATMENT REQUIREMENTS AT GPD/DU
North Region			187.2 GPD/DU
Rancho El Dorado	3,210	3,210	600,912
The Villages	1,938	1,938	362,794
Acacia Crossings	739	739	138,341
Cobblestone Farms	891	891	166,795
Province *	1,333	1,333	255,154
Santa Rosa Springs	790	647	121,118
Glennwilde	2,130	1,948	364,666
Rancho Mirage Estates	2,153	664	124,301
Sorrento Phase 1	821	821	153,691
Sorrento Phase 3	651	-	-
Dunn Ranch	641	-	-
El Rancho Santa Rosa	720	-	-
Santa Rosa Crossings	351	230	43,056
Homestead Village	2,308	1,726	323,107
Rancho El Dorado Phase III	1,803	903	169,042
Del Tessa	-	-	-
Province Phase III	862	255	47,736
Tortosa NW (Cottonwood)	1,290	1,290	241,488
Tortosa South	1,172	-	-

Global Water - Palo Verde Utilities Company
2014 CC&N Expansion - Santa Cruz Land Development, LLC

Tortosa NE	1,062	-	-
Maricopa Groves (Senita)	1,375	1,375	257,400
Smith Farms	705	601	112,507
Eagle Shadows Phase 1	1,099	-	-
Maricopa Meadows Total	1,626	1,626	304,387
Alterra North & South Total	1,005	1,005	188,136
Palo Brea Total	526	526	98,467
Desert Cedars Totals	418	418	78,250
Commercial		3,532	662,412
Santa Cruz Land	414	217	17,035
North Total	32,033	25,769	4,830,795

SUMMARY / CONCLUSION

Based upon the data and analysis provided, PVUC's existing sewer collection system can be extended to provide service to the Property as identified in the CC&N application. The collection system has been sized accordingly to receive the estimated demands for the Property, and will transfer the sewer to PVUC's Campus I Water Reclamation Facility for processing and treatment. Ultimately the recycled water will be transmitted back to the community for non-potable use. Given the timing of this development in conjunction with the sewer demands alongside other localized growth, the treatment capacity of Campus 1 will be assessed and properly expanded as necessary to meet all demands. PVUC has the ability to expand capacity of Campus 1 into its currently permitted 9.0 MGD.

The Property is contiguous to PVUC's CC&N, with infrastructure in close proximity to the Property.



APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 7

APPLICANT'S AQUIFER PROTECTION PERMIT



Janice K. Brewer
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

1110 West Washington Street Phoenix, Arizona 85007
(602) 771-2300 www.azdeq.gov



Henry R. Darwin
Director

June 16, 2014

Global Water, Palo Verde Utilities Company
Attn: Ron Fleming, President and COO
21410 N. 19th Avenue, Suite 201
Phoenix, AZ 85027

Re: Palo Verde Water Reclamation Facility
Other Amendment to Aquifer Protection Permit #P-105228 (LTF #59947)
Issued: June 13, 2014

Dear Mr. Fleming:

Enclosed is your copy of the amended Aquifer Protection Permit and Fact Sheet for the Palo Verde Water Reclamation Facility. The permit conditions shall apply from June 13, 2014, which is the date of the Water Quality Division Director's signature, and shall be valid for the life of the facility.

Please feel free to contact me if you have any questions regarding this permit, or otherwise need assistance. I can be reached at (602) 771-4464.

Sincerely,

Marcy Mullins

Marcy Mullins, APP Project Manager
APP and Reuse Unit

Enclosures: APP #P-105228 and Fact Sheet

cc: Vimal Chauhan, Manager - APP and Reuse Unit, ADEQ
Shivani Shah, Reviewing Engineer - APP Industrial Unit, ADEQ
Lucy Ruiz, PPS - Water Quality Compliance Section, Data Unit, ADEQ
Daniel Czecholinski, Manager - Field Services Unit, ADEQ
Nancy Wrona, Central Arizona Community Liaison, ADEQ
Central Arizona Community of Governments
Maricopa County Environmental Services Department
N. Emery Layton, P.E., MLT - Engineered With Layton
Ron Lakefield, E & C Manager - Global Water
Joel Wade, Process Engineering Manager - Global Water

APPR14:260

Southern Regional Office
400 West Congress Street • Suite 433 • Tucson, AZ 85701
(520) 628-6733

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Fact Sheet

Aquifer Protection Permit #105228

Place ID #5048, LTF #59947

OTHER AMENDMENT

Global Water - Palo Verde Utilities

Company, Inc. Campus 1 WRF

The Arizona Department of Environmental Quality (ADEQ) proposes to issue an amendment to the Aquifer Protection Permit (APP) for the subject facility that covers the life of the facility, including operational, closure, and post closure periods unless suspended or revoked pursuant to Arizona Administrative Code (A.A.C.) R18-9-A213. This document gives pertinent information concerning the issuance of the permit. The requirements contained in this permit will allow the permittee to comply with the two key requirements of the Aquifer Protection Program: 1) meet Aquifer Water Quality Standards at the Point of Compliance (POC); and 2) demonstrate Best Available Demonstrated Control Technology (BADCT). The purpose of BADCT is to employ engineering controls, processes, operating methods or other alternatives, including site-specific characteristics (i.e., the local subsurface geology); to reduce discharge of pollutants to the greatest degree achievable before they reach the aquifer; or to prevent pollutants from reaching the aquifer.

I. FACILITY INFORMATION

Name and Location

Name of Permittee:	Global Water - Palo Verde Utilities Company, Inc.
Mailing Address:	21410 N. 19 th Avenue, Suite 201 Phoenix, Arizona 85027
Facility Name and Location:	Global Water - Palo Verde Utilities Company, Inc. Campus 1 Water Reclamation Facility (WRF) 41265 W. Hiller Road Maricopa, Arizona 85239 Pinal County

Regulatory Status

Type of license	License identifier	Effective date
Aquifer Protection Permit (APP)	P-105228 LTF No. 27853	6/23/2003
APP Other Amendment (increase flow capacity from 1.0 mgd to 3.0 mgd)	P-105228 LTF No. 34055	12/2/2004
APP Significant Amendment (increase flow capacity from 3.0 mgd to 9.0 mgd; add AZPDES disposal)	P-105228 LTF No. 34986	12/1/2005

APP Other Amendment (revise location of POC 3; set ALs and AQLs for POCs 2 and 3; change sampling frequencies for VOCs for POCs 2 and 3; change reporting frequencies for metals; change monitoring for fecal coliform to <i>E. coli</i> for discharge and reclaimed water monitoring)	P-105228 LTF No. 43460	11/5/2007
APP Other Amendment (add fine screen; replace headworks odor control system; replace aeration/mixing equipment and decanter in SBR tanks; replace existing filter with cloth media disc filters)	P-105228 LTF No. 49076	3/2/2010
APP Other Amendment (to consolidate APP No. 103558 for the aerated treatment lagoons into APP No. 105228; to allow temporary cessation of the two aerated treatment lagoons; to improve PEQB mixer and filter by-pass pipeline)	P-105228 LTF No. 58325	1/7/2014

The application for this Other Amendment was received by ADEQ on April 16, 2014.

Facility Description

The permittee is authorized to operate a 9.0 million gallon per day (mgd) wastewater reclamation facility (WRF). The WRF will be constructed in four phases. The first 3.0 mgd train includes Phases I (1 mgd) and II (3 mgd). The second and third trains increase the flow to 6.0 mgd (Phase III) and 9.0 mgd (Phase IV) respectively. The 3.0 mgd train (Phases I and II) has been constructed. The WRF process consists of the influent headworks with bar screen, fine screen and grit removal, four sequencing batch reactors providing nitrification/denitrification, post-equalization surge tanks, cloth media disk filters, ultraviolet (UV) disinfection, an aerobic sludge digester, belt-press sludge dewatering, and an effluent pump station. In the post equalization basin, a mixing mechanism and filter bypass line has been provided to prevent excess solids from going to the filters. The existing belt press unit will be used as backup for sludge dewatering. The WRF also has the provision of chemical addition in conjunction with filtration. The WRF will be fully automated with a SCADA (Supervisory Control and Data Acquisition) system.

The effluent may be discharged under a valid AZPDES permit, discharged to a recharge site owned by the same permittee (under APP #105922), or used for beneficial purposes under a valid reclaimed water permit. Sludge (including screenings, grit, and scum) will be hauled to an off-site location where it shall be managed and disposed in accordance with state and federal regulations.

There are two lagoons on site which were previously utilized as part of the original aerated lagoon system (previously under APP #103558, which was released on January 8, 2014). These lagoons are in temporary cessation as per A.A.C. R18-9-A209(A).

The WRF is rated as producing Class A+ reclaimed water according to A.A.C. R18-11, Article 3, and may be delivered for beneficial use under a valid reclaimed water permit as per A.A.C. R18-9, Article 7.

In addition to the APP conditions pertaining to treatment and disposal of sewage sludge, the permittee must also comply with the requirements for any sewage sludge disposal in 40 Code of Federal Regulations (CFR) Part 503 and 18 A.A.C. Ch. 9, Art. 10.

Amendment Description

The purpose of this amendment is to include the installation of a new belt press for sludge dewatering, and to retain the existing (previously-approved) belt press for redundancy.

Listed below are the changes to the permit as a result of this amendment:

1. Section 2.1, Facility/Site Description: Added information on the addition of the new sludge dewatering belt press.
2. Section 2.2.1, Engineering Design: Added information about the design engineer for the new sludge dewatering belt press.
3. Section 2.4, Point of Compliance: Adjusted the text for clarity.
4. Section 2.6.1, General Contingency Plan Requirements: Specified that the approved contingency and emergency response plan can be found in Section 19 of the application which was received by ADEQ on June 19, 2013.
5. Section 3.0, Compliance Schedule: Added requirements pertaining to the Engineer's Certificate of Completion (ECOC) for the new belt press; separated the ECOC requirements for construction of Phases III and IV; deleted previous #3 which required separate notification of expansion from 3 mgd to 9 mgd (added this requirement to the monitoring tables as per standard format); deleted previous #4, as it is not necessary; deleted previous #5 (added relevant language to the monitoring tables, so permit amendment is not necessary); clarified previous #7 (now #5) to indicate that the first written notification is due by January 8, 2017.
6. Section 4.0, Table IA-II, Phase III: Added footnote #17 pertaining to notification upon transitioning from Phase II to Phase III and discontinuance of monitoring under Table IA-I.
7. Section 4.0, Table IA-III, Phase IV: Added footnote #33 pertaining to notification upon transitioning from Phase III to Phase IV and discontinuance of monitoring under Table IA-II.
8. Section 5.0, References and Pertinent Information: Updated to reflect information for this application and permit.
9. Updated permit format and language to be consistent with the current permit framework.

II. BEST AVAILABLE DEMONSTRATED CONTROL TECHNOLOGY

The WRF shall be designed, constructed, operated, and maintained to meet the treatment performance criteria for new facilities as specified in A.A.C. R18-9-B204. The facility shall meet the performance requirement for industrial pre-treatment as per A.A.C. R18-9-B204(B)(6)(b).

III. COMPLIANCE WITH AQUIFER WATER QUALITY STANDARDS

Monitoring and Reporting Requirements

To ensure that site operations do not result in violation of Aquifer Water Quality Standards at the point of compliance, representative samples of the effluent will be collected from the effluent pump station and will be monitored daily for *E. coli*, monthly for total nitrogen, quarterly for metals, and semi-annually for volatile and semi-volatile organic compounds (VOCs and SVOCs).

To ensure that site operations do not result in violation of Reclaimed Water Standards for the beneficial use of Class A+ reclaimed water, representative samples of the reclaimed water will be collected from the effluent pump station and will be monitored daily for *E. coli* and turbidity, and monthly for total nitrogen.

To ensure that Aquifer Water Quality Standards will be met at the point of compliance (POC) in the aquifer, representative samples of the groundwater will be collected from POCs 2 and 3, and will be sampled monthly for total coliform, total nitrogen, nitrate-nitrite as N, and metals, and semi-annually for volatile and semi-volatile organic compounds (VOCs and SVOCs).

Facility inspections and operational monitoring shall be performed on a routine basis (see Section 4.2, Table IIIB).

IV. HYDROGEOLOGIC SETTING

The PMA as described in ARS §49-244 is the limit projected in the horizontal plane of the area on which pollutants are or will be placed. The PMA includes horizontal space taken up by any liner, dike or other barrier designed to contain pollutants in the facility. If the facility contains more than one discharging activity, the PMA is described by an imaginary line circumscribing the various discharging activities. Two PMAs have been determined for this facility. The first PMA is defined by a line circumscribing all wastewater treatment components and effluent storage ponds (2) located on the WRF site. The second PMA is within Santa Rosa Wash, and is defined by a line circumscribing the surficial extent of surface water flow within Santa Rosa Wash as a result of AZPDES discharges at three discrete locations, located approximately one mile apart. This second PMA could extend approximately six miles northward from the southernmost AZPDES discharge point.

Global Water - Palo Verde Utilities Company, Inc.
Campus 1 Water Reclamation Facility (WRF)

(AZPDES Outfall #003) if all effluent were discharged to the wash upon build-out to the ultimate design flow of 9.0 mgd. At the anticipated AZPDES discharge rate of 3.536 mgd, the PMA is anticipated not to exceed four miles in length during the winter months.

The discharge impact area (DIA) is defined by ARS §49-201.13. The DIA means the potential area extent of pollutant migration, as projected on the land surface, as the result of a discharge from a facility. The DIA at the WRF is similar in shape and size to the PMA because the WRF and effluent storage ponds are lined to prevent leakage greater than 550 gpd/acre (definition for a non-discharging facility).

The second DIA within Santa Rosa Wash as a result of AZPDES discharges is defined by the length of the PMA and groundwater flow direction. The length of the PMA is anticipated to vary from four to six miles in length depending on the AZPDES discharge volumes. The groundwater flow direction is anticipated to fluctuate from southeast to northward depending on seasonal pumping for irrigation, cessation of pumping as the area is converted to residences, and infiltration of effluent. This DIA is anticipated to be similar in shape to the PMA, resulting in an oval shape due to the three discrete surface discharge points and transient (fluctuating) groundwater flow directions. The DIA for the expected flow of 3.536 mgd to the AZPDES outfalls is anticipated to extend approximately one mile in all directions from each AZPDES discharge point with a total length of five miles in the direction of groundwater flow and two miles in the cross-gradient direction. The DIA for the maximum flow of 13.0 mgd (future build-out flow) is anticipated to extend approximately three miles in all directions from each AZPDES discharge point for a total length of nine miles in the direction of groundwater flow and a maximum of six miles cross-gradient. The maximum water level rise due to infiltration of effluent from the AZPDES discharges was calculated at 110.6 feet at 13.0 mgd while the expected rise at flows with an annual average of 3.536 mgd were calculated to be 30.8 feet after 20 years of recharge.

There are 20 wells registered with ADWR located within the DIA. The wells are used for irrigation and municipal/domestic drinking water.

Point of Compliance

The Points of Compliance (POCs) are established at the following monitoring locations:

POC #	POC Location	Latitude	Longitude
1	Designated POC, located northwest of the WRF (ADWR Well #55-907127)	33° 05' 13" N	112° 00' 42" W
2	POC well #2, located approximately at AZPDES outfall #1	33° 04' 20" N	112° 01' 47" W
3	POC well #3, located approximately 1000 feet south of AZPDES outfall #3	33° 02' 39" N	112° 01' 49" W

Groundwater monitoring is required at POC #2 and #3 as per Section 4.2, Table IIA.

POC #1 (located downgradient of the WRF) is a contingency well; groundwater monitoring is not required until recharge commences under APP No. 105922 (the APP for the recharge site owned by the same permittee). This monitoring well is also utilized for groundwater monitoring under APP #105922 (POC #1). Ambient groundwater data from samples collected from this well (as required by APP #105992) was used in setting the limits for nitrogen species in this permit (APP #105228). Groundwater monitoring at POC #1 is required only as a contingency as per Section 4.2, Table IIB.

V. STORM WATER AND SURFACE WATER CONSIDERATIONS

Storm water and surface water considerations included whether the discharge had the potential to impact nearby surface water drainages located adjacent and downgradient of the WRF and whether the facility was located within the 100-year flood plain.

The facility is located approximately 0.5 miles west of the poorly defined ephemeral Santa Cruz Wash and one mile east of the northward trending ephemeral Santa Rosa Wash. Santa Rosa Wash is a tributary to the Santa Cruz Wash located in the Lower Santa Cruz sub-basin of the Santa Cruz River surface water basin. Surface water within the basin flows northward until it joins the Gila River about 17 miles north of the WRF. The designated uses of the Santa Rosa and Santa Cruz Washes are effluent dependent surface water for Aquatic and Wildlife (A and W-edw) and Partial Body Contact (PBC).

The WRF is not located within a 100-year flood plain and is protected from storm water runoff.

The facility currently has a valid AZPDES Permit (No. AZ0025071) which allows up to 9.0 mgd of effluent to be discharged into the Santa Rosa Wash. Effluent is currently piped to AZPDES Discharge Points Number 001, Number 002, and Number 003, located approximately 1.5 miles southwest of the WRF. This pipeline also provides effluent for reuse within the five subdivisions served by the WRF. Three separate AZPDES discharge points located approximately one mile from each other along Santa Rosa Wash are permitted. However, most effluent is proposed to be used for beneficial purposes (under a valid reclaimed water permit) with AZPDES discharges only occurring when reuse is unavailable. Monitoring of nearby drainages was not included as a permit condition because the permittee has a valid AZPDES permit which requires surface water monitoring.

VI. COMPLIANCE SCHEDULE

A compliance schedule is included in the permit (Section 3.0) for the following purposes: submittal of Engineer's Certificates of Completion (ECOCs) for the new belt press and upon

completion of construction of Phases III and IV; for decommissioning of the east lagoon; and for periodic notification of the status of the two lagoons placed in temporary cessation.

VII. OTHER REQUIREMENTS FOR ISSUING THIS PERMIT

Technical Capability

Global Water-Palo Verde Utilities Company, Inc. has demonstrated the technical competence necessary to carry out the terms and conditions of the permit in accordance with A.R.S. § 49-243(N) and A.A.C. R18-9-A202(B).

The permit requires that appropriate documents be sealed by an Arizona-registered geologist or professional engineer. This requirement is a part of an on-going demonstration of technical capability. The permittee is expected to maintain technical capability throughout the life of the facility.

Financial Capability

Global Water-Palo Verde Utilities Company, Inc. has demonstrated the financial responsibility necessary to carry out the terms and conditions of the permit in accordance with A.R.S. § 49-243(N) and A.A.C. R18-9-A203. The permittee is expected to maintain financial capability throughout the life of the facility. The permittee has submitted a closure cost estimate of \$139,000.00. The permittee provided a Certificate of Deposit, according to R18-9-A203 (C) (3), to demonstrate financial capability.

Zoning Requirements

Global Water-Palo Verde Utilities Company, Inc. - Campus 1 WRF has been properly zoned for the permitted use and the permittee has complied with all Pinal County zoning ordinances in accordance with A.R.S. § 49-243(O) and A.A.C. R18-9-A201(B)(3).

VIII. ADMINISTRATIVE INFORMATION

Public Notice (A.A.C. R18-9-108(A))

This is an Other Amendment to an APP that ADEQ issued previously, in accordance with A.A.C. R18-9-A211(D). The public notice requirement for an Other Amendment consists solely of a written notification in accordance with A.A.C. R18-9-A211(E). On a monthly basis ADEQ provides a list of permits in process to the county departments of health, association of governments and other federal, state and local entities, as well as private parties who have requested notification. For Other Amendments, the publication of this list satisfies the public participation process.

IX. ADDITIONAL INFORMATION

Additional information relating to this permit may be obtained from:

Arizona Department of Environmental Quality
Water Quality Division - APP and Reuse Unit
Attn: Marcy Mullins
1110 W. Washington Street, Mail Code 5415B-3
Phoenix, Arizona 85007
Phone: (602) 771-4464

STATE OF ARIZONA
AQUIFER PROTECTION PERMIT NO. P-105228
PLACE ID 5048, LTF 59947
OTHER AMENDMENT

1.0 AUTHORIZATION

In compliance with the provisions of Arizona Revised Statutes (A.R.S.) Title 49, Chapter 2, Articles 1, 2, and 3, Arizona Administrative Code (A.A.C.) Title 18, Chapter 9, Articles 1 and 2, A.A.C. Title 18, Chapter 11, Article 4 and amendments thereto, and the conditions set forth in this permit, the Arizona Department of Environmental Quality (ADEQ) hereby authorizes Global Water, Palo Verde Utilities Company, Inc. to operate the Palo Verde Campus 1 Water Reclamation Facility located at 41265 W. Hiller Road, Maricopa, Arizona, (Pinal County), over groundwater of the Pinal Active Management Area, in Township 4S, Range 3E, Section 13, NW¼, NW¼, NW¼, of the Gila and Salt River Base Line and Meridian.

This permit becomes effective on the date of the Water Quality Division Director's signature and shall be valid for the life of the facility (operational, closure, and post-closure periods) unless suspended or revoked pursuant to A.A.C. R18-9-A213. The permittee shall construct, operate and maintain the permitted facilities:

1. Following all the conditions of this permit including the design and operational information documented or referenced below, and
2. Such that Aquifer Water Quality Standards (AWQS) are not violated at the applicable point(s) of compliance (POC) set forth below or if an AWQS for a pollutant has been exceeded in an aquifer at the time of permit issuance, that no additional degradation of the aquifer relative to that pollutant and as determined at the applicable POC occurs as a result of the discharge from the facility.

1.1 PERMITTEE INFORMATION

Facility Name:	Global Water - Palo Verde Utilities Company, Inc. Campus 1 WRF
Facility Address:	41256 W. Hiller Road Maricopa, Arizona, 85239
County:	Pinal
Permittee:	Global Water, Palo Verde Utilities Company, Inc.
Permittee Address:	21410 N. 19 th Avenue, Suite 201 Phoenix, Arizona 85027
Facility Contact:	Jon Corwin, General Manager
Emergency Phone No.:	(602) 885-2791
Latitude/Longitude:	33° 05' 13" N / 112° 00' 42" W
Legal Description:	Township 4S, Range 3E, Section 13, NW¼, NW¼, NW¼, Gila and Salt River Baseline and Meridian

1.2 AUTHORIZING SIGNATURE



Michael A. Fulton, Director
Water Quality Division
Arizona Department of Environmental Quality

Signed this 13th day of June, 2014

THIS AMENDED PERMIT SUPERCEDES ALL PREVIOUS PERMITS

2.0 SPECIFIC CONDITIONS [A.R.S. §§ 49-203(4), 49-241(A)]**2.1 Facility / Site Description [A.R.S. § 49-243(K)(8)]**

The permittee is authorized to operate a 9.0 million gallon per day (mgd) wastewater reclamation facility (WRF). The WRF will be constructed in four phases. The first 3.0 mgd train includes Phases I (1 mgd) and II (3 mgd). The second and third trains increase the flow to 6.0 mgd (Phase III) and 9.0 mgd (Phase IV) respectively. The 3.0 mgd train (Phases I and II) has been constructed. The WRF process consists of the influent headworks with bar screen, fine screen and grit removal, four sequencing batch reactors providing nitrification/denitrification, post-equalization surge tanks, cloth media disk filters, ultraviolet (UV) disinfection, an aerobic sludge digester, belt-press sludge dewatering, and an effluent pump station. In the post equalization basin, a mixing mechanism and filter bypass line has been provided to prevent excess solids from going to the filters. The existing belt press unit will be used as backup for sludge dewatering. The WRF also has the provision of chemical addition in conjunction with filtration. The WRF will be fully automated with a SCADA (Supervisory Control and Data Acquisition) system.

The effluent may be discharged under a valid AZPDES permit, discharged to a recharge site owned by the same permittee (under APP #105922), or used for beneficial purposes under a valid reclaimed water permit. Sludge (including screenings, grit, and scum) will be hauled to an off-site location where it shall be managed and disposed in accordance with state and federal regulations.

There are two lagoons on site which were previously utilized as part of the original aerated lagoon system (previously under APP #103558, which was released on January 8, 2014). These lagoons are in temporary cessation as per A.A.C. R18-9-A209(A).

The WRF is rated as producing Class A+ reclaimed water according to A.A.C. R18-11, Article 3, and may be delivered for beneficial use under a valid reclaimed water permit as per A.A.C. R18-9, Article 7.

The purpose of this amendment is to include the installation of a new belt press for sludge dewatering, and to retain the existing (previously-approved) belt press for redundancy.

All industrial hookups and other non-residential hookups to the treatment system shall be authorized according to the applicable federal, state or local regulations.

The site includes the following permitted discharging facilities:

Facility	Latitude	Longitude
WRF	33° 05' 13" N	112° 00' 42" W
AZPDES outfall #1	33° 04' 20" N	112° 01' 47" W
AZPDES outfall #2	33° 03' 28" N	112° 01' 50" W
AZPDES outfall #3	33° 02' 49" N	112° 01' 51" W

Annual Registration Fee [A.R.S. § 49-242 and A.A.C. R18-14-104]

The Annual Registration Fee for this permit is established by A.R.S. § 49-242 and is payable to the Arizona Department of Environmental Quality (ADEQ) each year. The design flow is 9.0 million gallons per day. The permittee shall notify ADEQ of any change in the facility contact information according to Section 2.7.7.

Financial Capability [A.R.S. § 49-243(N) and A.A.C. R18-9-A203]

The permittee has demonstrated financial capability under A.R.S. § 49-243(N) and A.A.C. R18-9-A203. The permittee shall maintain financial capability throughout the life of the facility. The estimated dollar amount demonstrated for financial capability is \$139,000.00. The financial capability was demonstrated through A.A.C. R18-9-A203(C)(1)(b).

2.2 Best Available Demonstrated Control Technology (BADCT) [A.R.S. § 49-243(B) and A.A.C. R18-9-A202(A)(5)]

The WRF shall be designed, constructed, operated, and maintained to meet the treatment performance criteria for new facilities as specified in A.A.C. R18-9-B204. The facility shall meet the performance requirement for industrial pre-treatment as per A.A.C. R18-9-B204(B)(6)(b).

The treatment facility shall not exceed a maximum seepage rate of 550 gallons per day per acre for all containment structures within the treatment works.

2.2.1 Engineering Design

The WRF expansion was designed as per the design report prepared and stamped, dated, and signed (sealed) by Richard Ryan, P.E., AquaTec, Inc., dated December 22, 2004, and subsequent sealed submittals that served as additions to the design report.

The WRF expansion for the Post Equalization Basin (PEQB) mixer and filter by-pass pipeline improvement was designed as per the design report prepared and stamped, dated and signed (sealed) by Emery Layton, P.E., Layton Engineers, dated August 23, 2013 and subsequent sealed submittals that served as additions to the design report. Mr. Layton also designed the sludge dewatering unit which was approved for this permit amendment (application received by ADEQ on April 16, 2014); the design report is dated April 2014.

2.2.2 Site-specific Characteristics

Site specific characteristics were not used to determine BADCT.

2.2.3 Pre-operational Requirements

Not applicable.

2.2.4 Operational Requirements

1. The permittee shall maintain a copy of the up-to-date operations and maintenance manual at the WWTP site at all times; the manual shall be available upon request during inspections by ADEQ personnel.
2. The pollution control structures shall be inspected for the items listed in Section 4.2, Table III - Facility Inspection (Operational Monitoring).
3. If any damage of the pollution control structures is identified during inspection, proper repair procedures shall be performed. All repair procedures and materials used shall be documented in the facility log book as per Section 2.7.2 and reported to ADEQ in the event of a violation or exceedance as per 2.7.3.

2.2.5 Reclaimed Water Classification

[A.A.C. R18-9-703(C)(2)(a), A.A.C. R18-11-303 through 307]

The treatment facility is rated as producing reclaimed water meeting the Class A+ Reclaimed Water Quality Standards (A.A.C. R18-11, Article 3) which may be used for any allowable Class A, B, or C use under a valid reclaimed water permit (A.A.C. R18-9, Article 7).

2.2.6 Certified Areawide Water Quality Management Plan Conformance

[A.A.C. R18-9-A201(B)(6)(a)]

Facility operations must conform to the approved Certified Areawide Water Quality Management Plan according to the 208 consistency determination in place at the time of permit issuance.

2.3 Discharge Limitations [A.R.S. §§ 49-201(14), 49-243 and A.A.C. R18-9-A205(B)]

1. The permittee is authorized to operate the WRF with a maximum average annual flow of 9.0 mgd. Tables listed for discharge monitoring are located in Section 4.2, and include Table IA for Phase I (this table was discontinued after the construction of Phase II), Table IA-I for Phase II, Table IA-II for Phase III, and Table IA-III for Phase IV. The permittee shall monitor under the table which is commensurate with the most current constructed phase. Upon construction of the next phase, the facility shall discontinue monitoring for the previous phase. Monitoring is not required for phases not yet constructed.
2. The permittee shall notify all users that the materials authorized to be disposed of through the WRF are typical household sewage and pre-treated commercial wastewater and shall not include motor oil, gasoline, paints, varnishes, hazardous wastes, solvents, pesticides, fertilizers or other materials not generally associated with toilet flushing, food preparation, laundry facilities and personal hygiene.
3. The permittee shall operate and maintain all permitted facilities to prevent unauthorized discharges pursuant to A.R.S. § 49-201(12) resulting from failure or bypassing of applicable BADCT.
4. Specific discharge limitations are listed in Section 4.2, Tables IA-II through Table IA-IV, and Table IB.

2.4 Point of Compliance (POC) [A.R.S. § 49-244]

The Points of Compliance (POCs) are designated at the following locations:

POC #	POC Location	Latitude	Longitude
1	Designated POC, located northwest of the WRF (ADWR Well #55-907127)	33° 05' 13" N	112° 00' 42" W
2	POC well #2, located approximately at AZPDES outfall #1	33° 04' 20" N	112° 01' 47" W
3	POC well #3, located approximately 1000 feet south of AZPDES outfall #3	33° 02' 39" N	112° 01' 49" W

Groundwater monitoring is required at POC #2 and #3 as per Section 4.2, Table IIA.

POC #1 (located downgradient of the WRF) is a contingency well; groundwater monitoring is not required until recharge commences under APP No. 105922 (the APP for the recharge site owned by the same permittee). This monitoring well is also utilized for groundwater monitoring under APP #105922 (POC #1). Ambient groundwater data from samples collected from this well (as required by APP #105992) was used in setting the limits for nitrogen species in this permit (APP #105228). Groundwater monitoring at POC #1 is required only as a contingency as per Section 4.2, Table IIB.

The Director may amend this permit to designate additional points of compliance if information on groundwater gradients or groundwater usage indicates the need.

2.5 Monitoring Requirements [A.R.S. § 49-243(K)(1), A.A.C. R18-9-A206(A)]

Unless otherwise specified in this permit, all monitoring required in this permit shall continue for the duration of the permit, regardless of the status of the facility. Unless otherwise provided, monitoring shall commence the first full monitoring period following permit issuance. All sampling, preservation and holding times shall be in accordance with currently accepted standards of professional practice. Trip blanks, equipment blanks and duplicate samples shall also be obtained, and Chain-of-Custody procedures shall be followed, in accordance with currently accepted standards of professional practice. Copies of laboratory analyses and Chain-of-Custody forms shall be maintained at the permitted facility. Upon request, these documents shall be made immediately available for review by ADEQ personnel.

2.5.1 Pre-operational Monitoring

Not applicable.

2.5.2 Discharge Monitoring

The permittee shall monitor the wastewater according to Section 4.2, Table IA-I through IA-III and IB. A representative sample of the effluent shall be collected at the point of discharge from the effluent pump station.

2.5.3 Reclaimed Water Monitoring

The permittee shall monitor the parameters listed under Table IB in addition to the routine discharge monitoring parameters listed in Table IA-I through IA-III. Representative samples of the reclaimed water shall be collected at the point of discharge from the effluent pump station.

2.5.4 Groundwater Monitoring and Sampling Protocols

The permittee shall monitor the groundwater according to Section 4.2, Tables IIA and IIB.

Static water levels shall be measured and recorded prior to sampling. Wells shall be purged of at least three borehole volumes (as calculated using the static water level) or until field parameters (pH, temperature, conductivity) are stable, whichever represents the greater volume. If evacuation results in the well going dry, the well shall be allowed to recover to 80 percent of the original borehole volume, or for 24 hours, whichever is shorter, prior to sampling. If after 24 hours there is not sufficient water for sampling, the well shall be recorded as "dry" for the monitoring event. An explanation for reduced pumping volumes, a record of the volume pumped, and modified sampling procedures shall be reported and submitted with the SMRF.

The permittee may conduct the sampling using the low-flow purging method as described in the Arizona Water Resources Research Center, March 1995 *Field Manual for Water Quality Sampling*. The well must be purged until indicator parameters stabilize. Indicator parameters shall include dissolved oxygen, turbidity, pH, temperature, and conductivity.

2.5.4.1 POC Well Replacement

In the event that one or more of the designated POC wells should become unusable or inaccessible due to damage, exceedance of an alert level (AL) for water level as required by Section 2.6.2.3.4(3), or any other event, a replacement POC well shall be constructed and installed upon approval by ADEQ. If the replacement well is fifty feet or less from the original well, the ALs and/or aquifer quality limits (AQLs) calculated for the designated POC well shall apply to the replacement well.

2.5.5 Surface Water Monitoring and Sampling Protocols

Routine surface water monitoring is not required under the terms of this permit.

2.5.6 Facility / Operational Monitoring

Operational monitoring inspections shall be conducted according to Section 4.2, Table IIIB.

If any damage of the pollution control structures is identified during inspection, proper repair procedures shall be performed. All repair procedures and materials used shall be documented in the facility log book as per Section 2.7.2 and reported to ADEQ in case of a violation or exceedance as per 2.7.3.

2.5.7 Analytical Methodology

All samples collected for compliance monitoring shall be analyzed using Arizona state-approved methods. If no state-approved method exists, then any appropriate EPA-approved method shall be used. Regardless of the method used, the detection limits must be sufficient to determine compliance with the regulatory limits of the parameters specified in this permit. Analyses shall be performed by a laboratory licensed by the Arizona Department of Health Services, Office of Laboratory Licensure and Certification. For results to be considered valid, all analytical work shall meet quality control standards specified in the approved methods. A list of state-certified laboratories in Arizona can be obtained at the address below:

Arizona Department of Health Services
Office of Laboratory Licensure and Certification
250 North 17th Avenue
Phoenix, Arizona 85007
Phone: (602) 364-0720

2.5.8 Installation and Maintenance of Monitoring Equipment

Monitoring equipment required by this permit shall be installed and maintained so that representative samples required by the permit can be collected. If new groundwater wells are determined to be necessary, the construction details shall be submitted to the ADEQ Groundwater Section for approval prior to installation and the permit shall be amended to include any new monitoring points.

2.6 Contingency Plan Requirements

[A.R.S. § 49-243(K)(3), (K)(7) and A.A.C. R18-9-A204 and R18-9-A205]

2.6.1 General Contingency Plan Requirements

At least one copy of this permit and the approved contingency and emergency response plan referred to in Section 19 of the application (received by ADEQ on June 19, 2013) shall be maintained at the location where day-to-day decisions regarding the operation of the facility are made. The permittee shall be aware of and follow the contingency and emergency plans.

Any AL exceedance, or violation of an AQL, DL, or other permit condition shall be reported to ADEQ following the reporting requirements in Section 2.7.3.

Some contingency actions involve verification sampling. Verification sampling shall consist of the first follow-up sample collected from a location that previously indicated a violation or the exceedance of an AL. Collection and analysis of the verification sample shall use the same protocols and test methods to analyze for the pollutant or pollutants that exceeded an AL or violated an AQL or DL. The permittee is subject to enforcement action for the failure to comply with any contingency actions in this permit. Where verification sampling is specified in this permit, it is the option of the permittee to perform such sampling. If verification sampling is not conducted within the timeframe allotted, ADEQ and the permittee shall presume the initial sampling result to be confirmed as if verification sampling had been conducted. The permittee is responsible for compliance with contingency plans relating to the exceedance of an AL or violation of a DL, AQL or any other permit condition.

2.6.2 Exceeding of Alert Levels and Performance Levels

2.6.2.1 Exceeding of Performance Levels Set for Operational Conditions

If an operational performance level set in Section 4.2, Table IIIB has been exceeded, the permittee shall:

1. Notify the ADEQ Water Quality Compliance Section (by phone or fax, see Section 2.7.5) within five (5) days of becoming aware of the exceedance;
2. Submit a written report to the ADEQ Water Quality Compliance Section within 30 days after becoming aware of the exceedance. The report shall document all of the following:
 - a. a description of the exceedance and the cause;
 - b. the period of the exceedance, including exact date(s) and time(s), if known, and the anticipated time period during which the exceedance is expected to continue;
 - c. any action taken or planned to mitigate the effects of the exceedance or spill, or to eliminate or prevent recurrence of the exceedance or spill;
 - d. any monitoring activity or other information which indicates that any pollutants would be reasonably expected to cause a violation of an AWQS; and
 - e. any malfunction or failure of pollution control devices or other equipment or process.

2.6.2.2 Exceeding of Alert Levels (ALs) Set for Discharge Monitoring

1. If an AL set in Section 4.2, Table IA-I through IA-III has been exceeded, the permittee shall immediately investigate to determine the cause. The investigation shall include the following:
 - a. Inspection, testing, and assessment of the current condition of all treatment or pollutant discharge control systems that may have contributed to the exceedance;
 - b. Review of recent process logs, reports, and other operational control information to identify any unusual occurrences; and
 - c. If the investigation procedures indicated in (a) and (b) above fail to reveal the cause of the exceedance, the permittee shall sample individual waste streams composing the wastewater for the parameter(s) in question, if necessary to identify the cause of the exceedance.
2. The permittee shall initiate actions identified in the approved contingency plan referenced in Section 5.0 and specific contingency measures identified in Section 2.6 to resolve any problems identified by the investigation which may have led to the AL exceedance. To implement any other corrective action the permittee shall obtain prior approval from ADEQ according to Section 2.6.6.
3. Within thirty days of an AL exceedance, the permittee shall submit the laboratory results to the ADEQ Water Quality Compliance Section along with a summary of the findings of the investigation, the cause of the exceedance, and actions taken to resolve the problem.
4. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

2.6.2.2.1 Exceeding Permit Flow Limit

1. If the Alert Level (AL) for average monthly flow in Section 4.2, Tables IA-I and IA-II (for Phases II and III respectively) has been exceeded, the permittee shall begin construction of the next phase, or submit a report to the ADEQ Groundwater Section detailing the reasons it is not necessary to begin the next phase of construction. Acceptance of the report instead of beginning the next phase of construction requires ADEQ approval.
2. If the AL for average monthly flow in Section 4.2, Table IA-III (Phase IV) has been exceeded, the permittee shall submit an application to the Groundwater Section for an APP amendment to expand the WRF, or submit a report detailing the reasons an expansion is not necessary. Acceptance of the report instead of an application for expansion requires ADEQ approval.

2.6.2.3 Exceeding of Alert Levels in Groundwater Monitoring

2.6.2.3.1 Alert Levels for Indicator Parameters

No ALs have been established for indicator parameters.

2.6.2.3.2 Alert Levels for Pollutants with Numeric Aquifer Water Quality Standards

1. In the case of an exceedance of an AL for a pollutant set in Section 4.2, Tables IIA and IIB, the permittee may conduct verification sampling within five days of becoming aware of the exceedance. The permittee may use results of another sample taken between the date of the last sampling event and the date of receiving the result as verification.
2. If verification sampling confirms the AL exceedance or if the permittee opts not to perform verification sampling, then the permittee shall increase the frequency of monitoring for the pollutants set in Section 4.2, Tables IIA and IIB as follows:

Specified Monitoring Frequency (Section 4.2, Tables IIA and IIB)	Monitoring Frequency for AL Exceedance
Daily	Daily
Weekly	Daily
Monthly	Weekly
Quarterly	Monthly
Semi-annually	Quarterly
Annually	Quarterly

In addition, the permittee shall immediately initiate an investigation of the cause of the AL exceedance, including inspection of all discharging units and all related pollution control devices, review of any operational and maintenance practices that might have resulted in an unexpected discharge, and hydrologic review of groundwater conditions including upgradient water quality.

3. The permittee shall initiate actions identified in the approved contingency plan referenced in Section 5.0 and specific contingency measures identified in Section 2.6 to resolve any problems identified by the investigation which may have led to an AL exceedance. To implement any other corrective action the permittee shall obtain prior approval from ADEQ according to Section 2.6.6. Alternatively, the permittee may submit a technical demonstration, subject to written approval by the Groundwater Section, that although an AL has been exceeded, pollutants are not reasonably expected to cause a violation of an AQL. The demonstration may propose a revised AL or monitoring frequency for approval in writing by the Groundwater Section.
4. Within 30 days after confirmation of an AL exceedance, the permittee shall submit the laboratory results to the Water Quality Compliance Section along with a summary of the findings of the investigation, the cause of the exceedance, and actions taken to resolve the problem.
5. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

6. The increased monitoring required as a result of an AL exceedance may be reduced to the monitoring frequency in Section 4.2, Table II if the results of four sequential sampling events demonstrate that no parameters exceed the AL.
7. If the increased monitoring required as a result of an AL exceedance continues for more than six sequential sampling events, the permittee shall submit a second report documenting an investigation of the continued AL exceedance within 30 days of the receipt of laboratory results of the sixth sampling event.

2.6.2.3.3 Alert Levels to Protect Downgradient Users from Pollutants Without Numeric Aquifer Water Quality Standards

Not required at time of issuance.

2.6.2.3.4 Alert Level for Groundwater Level

Not applicable.

2.6.3 Discharge Limit Violation

1. If a DL set in Section 4.2, Tables IA-I through IA-III, or IB has been violated, the permittee shall immediately investigate to determine the cause. The investigation shall include the following:
 - a. Inspection, testing, and assessment of the current condition of all treatment or pollutant discharge control systems that may have contributed to the violation;
 - b. Review of recent process logs, reports, and other operational control information to identify any unusual occurrences;
 - c. If the investigation procedures indicated in (a) and (b) above fail to reveal the cause of the violation, the permittee shall sample individual waste streams composing the wastewater for the parameters in violation, if necessary to identify the cause of the violation.

The permittee shall submit a report according to Section 2.7.3, which includes a summary of the findings of the investigation, the cause of the violation, and actions taken to resolve the problem. The permittee shall consider and ADEQ may require corrective action that may include control of the source of discharge, cleanup of affected soil, surface water or groundwater, notification of downstream or downgradient users who may be directly affected by the discharge, and mitigation of the impact of pollutants on existing uses of the aquifer. Corrective actions shall either be specifically identified in this permit, included in an ADEQ-approved contingency plan, or separately approved according to Section 2.6.6.

2. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions, or other actions.

2.6.4 Aquifer Quality Limit Violation

1. If an AQL set in Section 4.2, Tables IIA and IIB has been exceeded, the permittee may conduct verification sampling within five days of becoming aware of the exceedance. The permittee may use results of another sample taken between the date of the last sampling event and the date of receiving the result as verification.
2. If the verification sample does not confirm an AQL violation, no further action is needed under this Section.
3. If verification sampling confirms that an AQL was violated for any parameter or if the permittee opts not to perform verification sampling, then, the permittee shall increase the frequency of monitoring as follows:

Specified Monitoring Frequency (Section 4.2, Tables IIA and IIB)	Monitoring Frequency for AQL Exceedance
Daily	Daily
Weekly	Daily
Monthly	Weekly
Quarterly	Monthly
Semi-annually	Quarterly
Annually	Quarterly

In addition, the permittee shall immediately initiate an evaluation for the cause of the violation, including inspection of all discharging units and all related pollution control devices, and review of any operational and maintenance practices that might have resulted in unexpected discharge.

The permittee also shall submit a report according to Section 2.7.3, which includes a summary of the findings of the investigation, the cause of the violation, and actions taken to resolve the problem. A verified exceedance of an AQL will be considered a violation unless the permittee demonstrates within 30 days that the exceedance was not caused or contributed to by pollutants discharged from the facility. Unless the permittee has demonstrated that the exceedance was not caused or contributed to by pollutants discharged from the facility, the permittee shall consider and ADEQ may require corrective action that may include control of the source of discharge, cleanup of affected soil, surface water, or groundwater, and mitigation of the impact of pollutants on existing uses of the aquifer. Corrective actions shall either be specifically identified in this permit, included in an ADEQ approved contingency plan, or separately approved according to Section 2.6.6.

4. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

2.6.5 Emergency Response and Contingency Requirements for Unauthorized Discharges pursuant to A.R.S. § 49-201(12) and pursuant to A.R.S. § 49-241

2.6.5.1 Duty to Respond

The permittee shall act immediately to correct any condition resulting from a discharge pursuant to A.R.S. § 49-201(12) if that condition could pose an imminent and substantial endangerment to public health or the environment.

2.6.5.2 Discharge of Hazardous Substances or Toxic Pollutants

In the event of any unauthorized discharge pursuant to A.R.S. § 49-201(12) of suspected hazardous substances (A.R.S. § 49-201(19)) or toxic pollutants (A.R.S. § 49-243(I)) on the facility site, the permittee shall promptly isolate the area and attempt to identify the discharged material. The permittee shall record information, including name, nature of exposure and follow-up medical treatment, if necessary, on persons who may have been exposed during the incident. The permittee shall notify the ADEQ Water Quality Compliance Section within 24 hours of discovering the discharge of hazardous material which has the potential to cause an AWQS or AQL exceedance, or could pose an endangerment to public health or the environment.

2.6.5.3 Discharge of Non-hazardous Materials

In the event of any unauthorized discharge pursuant to A.R.S. § 49-201(12) of non-hazardous materials from the facility, the permittee shall promptly attempt to cease the discharge and isolate the discharged material. Discharged material shall be removed and the site cleaned up as soon as possible. The permittee shall notify the ADEQ Water Quality Compliance Section within 24 hours

of discovering the discharge of non-hazardous material which has the potential to cause an AQL exceedance, or could pose an endangerment to public health or the environment.

2.6.5.4 Reporting Requirements

The permittee shall submit a written report for any unauthorized discharges reported under Sections 2.6.5.2 and 2.6.5.3 to the ADEQ Water Quality Compliance Section within 30 days of the discharge or as required by subsequent ADEQ action. The report shall summarize the event, including any human exposure, and facility response activities and include all information specified in Section 2.7.3. If a notice is issued by ADEQ subsequent to the discharge notification, any additional information requested in the notice shall also be submitted within the time frame specified in the notice. Upon review of the submitted report, ADEQ may require additional monitoring or corrective actions.

2.6.6 Corrective Actions

Specific contingency measures identified in Section 2.6 have already been approved by ADEQ and do not require written approval to implement.

With the exception of emergency response actions taken under Section 2.6.5, the permittee shall obtain written approval from the Groundwater Section prior to implementing a corrective action to accomplish any of the following goals in response to exceedance of an AL or violation of an AQL, DL, or other permit condition:

1. Control of the source of an unauthorized discharge;
2. Soil cleanup;
3. Cleanup of affected surface waters;
4. Cleanup of affected parts of the aquifer;
5. Mitigation to limit the impact of pollutants on existing uses of the aquifer.

Within 30 days of completion of any corrective action, the operator shall submit to the ADEQ Water Quality Compliance Section, a written report describing the causes, impacts, and actions taken to resolve the problem.

2.7 Reporting and Recordkeeping Requirements **[A.R.S. § 49-243(K)(2) and A.A.C. R18-9-A206(B) and R18-9-A207]**

2.7.1 Self-monitoring Report Form

1. The permittee shall complete the Self-monitoring Report Form (SMRF) provided by ADEQ, and submit the completed report to the Water Quality Compliance Section, Data Unit.
2. The permittee shall complete the SMRF to the extent that the information reported may be entered on the form. If no information is required during a reporting period, the permittee shall enter "not required" on the SMRF and submit the report to ADEQ. The permittee shall use the format devised by ADEQ.
3. The tables contained in Section 4.0 list the monitoring parameters and the frequencies for reporting results on the SMRF:
 - Table IA-I through IA-III (for Phases II through IV), Discharge Monitoring
 - Table IB, Reclaimed Water Monitoring
 - Table IIA, Groundwater Quality Monitoring
 - Table IIB, Contingency Groundwater Quality Monitoring

The parameters listed in the above-identified tables from Section 4.0 are the only parameters for which SMRF reporting is required.

4. In addition to the SMRF, the information contained in A.A.C. R18-9-A206(B)(1) shall be included for exceeding an AL or violation of an AQL, DL, or any other permit condition being reported in the current reporting period.

2.7.2 Operation Inspection / Log Book Recordkeeping

A signed copy of this permit shall be maintained at all times at the location where day-to-day decisions regarding the operation of the facility are made. A log book (paper copies, forms, or electronic data) of the inspections and measurements required by this permit shall be maintained at the location where day-to-day decisions are made regarding the operation of the facility. The log book shall be retained for ten years from the date of each inspection, and upon request, the permit and the log book shall be made immediately available for review by ADEQ personnel. The information in the log book shall include, but not be limited to, the following information as applicable:

1. Name of inspector;
2. Date and shift inspection was conducted;
3. Condition of applicable facility components;
4. Any damage or malfunction, and the date and time any repairs were performed;
5. Documentation of sampling date and time; and
6. Any other information required by this permit to be entered in the log book.

Monitoring records for each measurement shall comply with A.A.C. R18-9-A206(B)(2).

2.7.3 Permit Violation and Alert Level Status Reporting

1. The permittee shall notify the Water Quality Compliance Section in writing (by mail or by fax - see Section 2.7.5) within five days (except as provided in Section 2.6.5) of becoming aware of an AL exceedance, or violation of any permit condition, AQL, or DL.
2. The permittee shall submit a written report to the Water Quality Compliance Section within 30 days of becoming aware of the violation of any permit condition, AQL, or DL. The report shall document all of the following:
 - a. Identification and description of the permit condition for which there has been a violation and a description of the cause;
 - b. The period of violation including exact date(s) and time(s), if known, and the anticipated time period during which the violation is expected to continue;
 - c. Any corrective action taken or planned to mitigate the effects of the violation, or to eliminate or prevent a recurrence of the violation;
 - d. Any monitoring activity or other information which indicates that any pollutants would be reasonably expected to cause a violation of an AWQS;
 - e. Proposed changes to the monitoring which include changes in constituents or increased frequency of monitoring; and
 - f. Description of any malfunction or failure of pollution control devices or other equipment or processes.

2.7.4 Operational, Other or Miscellaneous Reporting

The permittee shall record the information as required in Section 4.2, Table IIIB in the facility log book as per Section 2.7.2, and report to ADEQ any violations or exceedances as per Section 2.7.3.

If the treatment facility is classified for reclaimed water under this permit, the permittee shall submit the reclaimed water monitoring results and flow volumes to any of the following in accordance with A.A.C. R18-9-703(C)(2)(c):

1. Any reclaimed water agent who has contracted for delivery of reclaimed water from the permittee; and
2. Any end user who has not waived interest in receiving this information.

2.7.5 Reporting Location

All SMRFs shall be submitted to:

Arizona Department of Environmental Quality
Water Quality Compliance Section, Data Unit
Mail Code: 5415B-1
1110 West Washington Street
Phoenix, Arizona 85007
Phone (602) 771-4681

All documents required by this permit to be submitted to the Water Quality Compliance Section shall be directed to the following address:

Arizona Department of Environmental Quality
Water Quality Compliance Section
Mail Code: 5415B-1
1110 West Washington Street
Phoenix, Arizona 85007
Phone (602) 771-4497
Fax (602) 771-4505

All documents required by this permit to be submitted to the Groundwater Section shall be directed to:

Arizona Department of Environmental Quality
Groundwater Section
Mail Code: 5415B-3
1110 West Washington Street
Phoenix, Arizona 85007
Phone (602) 771-4428

2.7.6 Reporting Deadline

The following table lists the quarterly report due dates¹:

Monitoring conducted during quarter:	Quarterly Report due by:
January-March	April 30
April-June	July 30
July-September	October 30
October-December	January 30

The following table lists the semi-annual and annual report due dates:

Monitoring conducted:	Report due by:
Semi-annual: January-June	July 30
Semi-annual: July-December	January 30
Annual: January-December	January 30

¹A post-mark date no later than the due date is considered meeting the due date requirements under this Section.

2.7.7 Changes to Facility Information in Section 1.0

The Groundwater Section, and the Water Quality Compliance Section, shall be notified within ten days of any change of facility information including Facility Name, Permittee Name, Mailing or Street Address, Facility Contact Person, or Emergency Telephone Number.

2.8 Temporary Cessation [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A209(A)]

The permittee shall give written notice to the Water Quality Compliance Section before ceasing operation of the facility for a period of 60 days or greater. The permittee shall take the following measures upon temporary cessation:

1. If applicable, direct the wastewater flows from the facility to another state-approved wastewater treatment facility;
2. Correct the problem that caused the temporary cessation of the facility; and
3. Notify ADEQ Water Quality Compliance Section with a monthly facility status report describing the activities conducted on the treatment facility to correct the problem.

At the time of notification the permittee shall submit for ADEQ approval a plan for maintenance of discharge control systems and for monitoring during the period of temporary cessation. Immediately following ADEQ approval, the permittee shall implement the approved plan. If necessary, ADEQ shall amend permit conditions to incorporate conditions to address temporary cessation. During the period of temporary cessation, the permittee shall provide written notice to the Water Quality Compliance Section of the operational status of the facility every three years. If the permittee intends to permanently cease operation of any facility, the permittee shall submit closure notification, as set forth in Section 2.9 below.

2.8.1 Temporary Cessation of the On-site Aerated Lagoons

The permittee submitted notice of temporary cessation of the two lagoons from the original aerated lagoon system which were previously permitted under APP #103558 (see letter in file from Global Water dated September 23, 2013). The west lagoon is in temporary cessation; at the time of permit issuance, the east lagoon still contained sludge and therefore did not meet the conditions for temporary cessation. The removal of sludge has been initiated which is being achieved primarily through evaporation and aeration. The east lagoon is expected to be decommissioned by June 30, 2015, at which time the lagoon will be placed into temporary cessation (see Section 3.0, Compliance Schedule Item No. 6).

2.9 Closure [A.R.S. §§ 49-243(K)(6), 49-252 and A.A.C. R18-9-A209(B)]

For a facility addressed under this permit, the permittee shall give written notice of closure to the Water Quality Compliance Section of the intent to cease operation without resuming activity for which the facility was designed or operated.

2.9.1 Closure Plan

Within 90 days following notification of closure, the permittee shall submit for approval to the Groundwater Section, a closure plan which meets the requirements of A.R.S. § 49-252 and A.A.C. R18-9-A209(B)(3).

If the closure plan achieves clean-closure immediately, ADEQ shall issue a letter of approval to the permittee. If the closure plan contains a schedule for bringing the facility to a clean-closure configuration at a future date, ADEQ may incorporate any part of the schedule as an amendment to this permit.

2.9.2 Closure Completion

Upon completion of closure activities, the permittee shall give written notice to the Groundwater Section indicating that the approved closure plan has been implemented fully and providing supporting

documentation to demonstrate that clean-closure has been achieved (soil sample results, verification sampling results, groundwater data, as applicable). If clean-closure has been achieved, ADEQ shall issue a letter of approval to the permittee at that time. If any of the following conditions apply, the permittee shall follow the terms of post-closure stated in this permit:

1. Clean-closure cannot be achieved at the time of closure notification or within one year thereafter under a diligent schedule of closure actions;
2. Further action is necessary to keep the facility in compliance with the AWQS at the applicable POC;
3. Continued action is required to verify that the closure design has eliminated discharge to the extent intended;
4. Remediation or mitigation measures are necessary to achieve compliance with Title 49, Ch. 2; and
5. Further action is necessary to meet property use restrictions.

2.10 Post-closure [A.R.S. §§ 49-243(K)(6), 49-252 and A.A.C. R18-9 A209(C)]

Post-closure requirements shall be established based on a review of facility closure actions and will be subject to review and approval by the Groundwater Section.

In the event clean-closure cannot be achieved pursuant to A.R.S. § 49-252, the permittee shall submit for approval to the Groundwater Section a post-closure plan that addresses post-closure maintenance and monitoring actions at the facility. The post-closure plan shall meet all requirements of A.R.S. §§ 49-201(30) and 49-252 and A.A.C. R18-9-A209(C). Upon approval of the post-closure plan, this permit shall be amended or a new permit shall be issued to incorporate all post-closure controls and monitoring activities of the post-closure plan.

2.10.1 Post-Closure Plan

A specific post-closure plan may be required upon the review of the closure plan.

2.10.2 Post-Closure Completion

Not required at the time of permit issuance.

3.0 COMPLIANCE SCHEDULE [A.R.S. § 49-243(K)(5) and A.A.C. R18-9-A208]

For each compliance schedule item listed below, the permittee shall submit the required information, including a cover letter that lists the compliance schedule items, to the Groundwater Section. A copy of the cover letter must also be submitted to the ADEQ Water Quality Compliance Section.

No.	Description	Due by:	Permit Amendment Required?
1	The permittee shall submit a signed, dated, and sealed Engineer's Certificate of Completion in a format approved by the Department that confirms that the new belt press has been constructed according to the Department-approved design report or plans and specifications.	Within 90 days of permit issuance	No
2	The permittee shall submit a signed, dated, and sealed Engineer's Certificate of Completion in a format approved by the Department that confirms that Phase III has been constructed according to the Department-approved design report or plans and specifications, as applicable for Phase III of the WRF.	Within 60 days of completion of construction of Phase III and prior to commencing discharge from Phase III of the WRF	No
3	The permittee shall submit a signed, dated, and sealed Engineer's Certificate of Completion in a format approved by the Department that confirms that Phase IV has been constructed according to the Department-approved design report or plans and specifications, as applicable for Phase IV of the WRF.	Within 60 days of completion of construction of Phase IV and prior to commencing discharge from Phase IV of the WRF	No
4	The permittee shall complete the decommissioning of the east lagoon (component of the original aerated lagoon system) by removing all liquids and solids. The permittee shall notify ADEQ at the time the east lagoon has been placed in temporary cessation.	By June 30, 2015	No
5	The permittee shall provide written notification to ADEQ of the operational status of the two lagoons placed in temporary cessation.	By January 8, 2017 and every three (3) years thereafter	No

4.0 TABLES OF MONITORING REQUIREMENTS

4.1 Pre-operational Monitoring (or Construction Requirements)

Not applicable.

4.2 Compliance (or Operational) Monitoring

**TABLE IA - PHASE I (up to 1.0 mgd)
Routine Discharge Monitoring**

This monitoring table has been deleted, as Phase II has been constructed and is in operation.

4.2 Compliance (or Operational) Monitoring

**TABLE IA-I, PHASE II (up to 3.0 mgd)
Routine Discharge Monitoring**

Sampling Point Number	Sampling Point Identification		Latitude		Longitude
1	Effluent Pump Station		33° 05' 13" N		112° 00' 42" W
Parameter	AL ²	DL ³	Units	Sampling Frequency	Reporting Frequency
Total Flow ⁴ : Daily ⁵	Not Established ⁶	Not Established	mgd ⁷	Everyday	Quarterly
Total Flow: Monthly Average ⁸	2.85	3.0	mgd	Monthly Calculation	Quarterly
Reuse Flow: Daily (see footnote #5)	Not Established	Not Established	mgd	Everyday	Quarterly
Reuse Flow: Monthly Average	2.85	3.0	mgd	Monthly Calculation	Quarterly
AZPDES Flow: Daily (see footnote #5)	Not Established	Not Established	mgd	Everyday	Quarterly
AZPDES Flow: Monthly Average	Not Established	Not Established	mgd	Monthly Calculation	Quarterly
Recharge Flow: Daily (see footnote #5)	Not Established	Not Established	mgd	Everyday	Quarterly
Recharge Flow: Monthly Average	Not Established	Not Established	mgd	Monthly Calculation	Quarterly
<i>E. coli</i> : Single sample maximum	Not Established	15	CFU or MPN ⁹	Daily ¹⁰	Quarterly
<i>E. coli</i> : four (4) of seven (7) samples in a week ¹¹	Not established	Non-detect ¹²	CFU or MPN	Daily	Quarterly
Total Nitrogen ¹³ : Five-sample rolling geometric mean ¹⁴	8.0	10.0	mg/l ¹⁵	Monthly Calculation	Quarterly

²AL = Alert Level

³DL = Discharge Limit

⁴Total flow for all methods of disposal - Reuse, AZPDES, and Recharge

⁵Flow shall be measured using a continuous recording flow meter which totals the flow each day.

⁶Not Established means monitoring is required but no limits are specified.

⁷mgd = million gallons per day

⁸Monthly = Calculated value = Average of daily flow values in a month.

⁹CFU = Colony Forming Units / 100 ml sample. MPN = Most Probable Number / 100 ml sample. For CFU, a value of <1.0 shall be considered to be non-detect. For MPN, a value of <2.2 shall be considered to be non-detect.

¹⁰For sampling frequency of *E. coli* only, the term "daily" means a sample that can practicably be obtained and delivered in sufficient time for proper analysis each day, provided that no less than four samples in each week are obtained and analyzed.

¹¹Week means a seven-day period starting on Sunday and ending on the following Saturday.

¹²If at least four (4) of seven (7) samples in a week are non-detect, report "yes" in the appropriate space on the SMRF (indicating that the standard has been met). If at least four (4) of seven (7) samples in a week have detections of *E. coli*, report "no" in the appropriate space on the SMRF (indicating that the standard has not been met).

¹³Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen

¹⁴The 5-sample rolling geometric mean is determined by multiplying the five (5) most recent monthly sample values together, then taking the fifth root of the product. Example: $GM_5 = \sqrt[5]{(m_1)(m_2)(m_3)(m_4)(m_5)}$

¹⁵mg/l = milligrams per liter

TABLE IA -I, PHASE II (up to 3.0 mgd)
Routine Discharge Monitoring (continued)

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
Metals (total):					
Antimony	0.0048	0.006	mg/l	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/l	Quarterly	Quarterly
Barium	1.60	2.00	mg/l	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/l	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/l	Quarterly	Quarterly
Chromium	0.08	0.1	mg/l	Quarterly	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/l	Quarterly	Quarterly
Lead	0.04	0.05	mg/l	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/l	Quarterly	Quarterly
Nickel	0.08	0.1	mg/l	Quarterly	Quarterly
Selenium	0.04	0.05	mg/l	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/l	Quarterly	Quarterly

**TABLE IA -I, PHASE II (up to 3.0 mgd)
Routine Discharge Monitoring (continued)**

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs):					
Benzene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total) ¹⁶	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

¹⁶ Total Trihalomethanes (TTHMs) are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

TABLE IA-II, PHASE III (up to 6.0 mgd)¹⁷
Routine Discharge Monitoring

Sampling Point Number	Sampling Point Identification		Latitude		Longitude
1	Effluent Pump Station		33° 05' 13" N		112° 00' 42" W
Parameter	AL ¹⁸	DL ¹⁹	Units	Sampling Frequency	Reporting Frequency
Total Flow ²⁰ : Daily ²¹	Not Established ²²	Not Established	mgd ²³	Everyday	Quarterly
Total Flow: Monthly Average ²⁴	5.70	6.0	mgd	Monthly Calculation	Quarterly
Reuse Flow: Daily (see footnote #21)	Not Established	Not Established	mgd	Everyday	Quarterly
Reuse Flow: Monthly Average	5.70	6.0	mgd	Monthly Calculation	Quarterly
AZPDES Flow: Daily (see footnote #21)	Not Established	Not Established	mgd	Everyday	Quarterly
AZPDES Flow: Monthly Average	Not Established	Not Established	mgd	Monthly Calculation	Quarterly
Recharge Flow: Daily (see footnote #21)	Not Established	Not Established	mgd	Everyday	Quarterly
Recharge Flow: Monthly Average	Not Established	Not Established	mgd	Monthly Calculation	Quarterly
<i>E. coli</i> : Single sample maximum	Not Established	15	CFU or MPN ²⁵	Daily ²⁶	Quarterly
<i>E. coli</i> : four (4) of seven (7) samples in a week ²⁷	Not established	Non-detect ²⁸	CFU or MPN	Daily	Quarterly
Total Nitrogen ²⁹ : Five-sample rolling geometric mean ³⁰	8.0	10.0	mg/l ³¹	Monthly Calculation	Quarterly

¹⁷ Upon transitioning from Phase II to Phase III, the permittee shall notify the Water Quality Compliance Section (see Section 2.7.5), discontinue monitoring under Table IA-I, and begin monitoring under Table IA-II.

¹⁸ AL = Alert Level

¹⁹ DL = Discharge Limit

²⁰ Total flow for all methods of disposal - Reuse, AZPDES, and Recharge.

²¹ Flow shall be measured using a continuous recording flow meter which totals the flow each day.

²² Not Established means monitoring is required but no limits are specified.

²³ mgd = million gallons per day

²⁴ Monthly = Calculated value = Average of daily flows in a month.

²⁵ CFU = Colony Forming Units / 100 ml sample. MPN = Most Probable Number / 100 ml sample. For CFU, a value of <1.0 shall be considered to be non-detect. For MPN, a value of <2.2 shall be considered to be non-detect.

²⁶ For sampling frequency of *E. coli* only, the term "daily" means a sample that can practicably be obtained and delivered in sufficient time for proper analysis each day, provided that no less than four samples in each week are obtained and analyzed.

²⁷ Week means a seven-day period starting on Sunday and ending on the following Saturday.

²⁸ If at least four (4) of seven (7) samples in a week are non-detect, report "yes" in the appropriate space on the SMRF (indicating that the standard has been met). If at least four (4) of seven (7) samples in a week have detections of *E. coli*, report "no" in the appropriate space on the SMRF (indicating that the standard has not been met).

²⁹ Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen

³⁰ The 5-sample rolling geometric mean is determined by multiplying the five (5) most recent monthly sample values together then taking the fifth root of the product. Example: $GM_5 = \sqrt[5]{(m_1)(m_2)(m_3)(m_4)(m_5)}$

³¹ mg/l = milligrams per liter

TABLE IA-II, PHASE III (up to 6.0 mgd)
Routine Discharge Monitoring (continued)

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
Metals (total):					
Antimony	0.0048	0.006	mg/l	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/l	Quarterly	Quarterly
Barium	1.60	2.00	mg/l	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/l	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/l	Quarterly	Quarterly
Chromium	0.08	0.1	mg/l	Quarterly	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/l	Quarterly	Quarterly
Lead	0.04	0.05	mg/l	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/l	Quarterly	Quarterly
Nickel	0.08	0.1	mg/l	Quarterly	Quarterly
Selenium	0.04	0.05	mg/l	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/l	Quarterly	Quarterly

TABLE IA-II, PHASE III (up to 6.0 mgd)
Routine Discharge Monitoring (continued)

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs):					
Benzene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total) ³²	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

³² Total Trihalomethanes (TTHMs) are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

TABLE IA-III, PHASE IV (up to 9.0 mgd)³³
Routine Discharge Monitoring

Sampling Point Number	Sampling Point Identification		Latitude		Longitude
1	Effluent Pump Station		33° 05' 13" N		112° 00' 42" W
Parameter	AL ³⁴	DL ³⁵	Units	Sampling Frequency	Reporting Frequency
Total Flow ³⁶ : Daily ³⁷	Not Established ³⁸	Not Established	mgd ³⁹	Everyday	Quarterly
Total Flow: Monthly Average ⁴⁰	8.55	9.0	mgd	Monthly Calculation	Quarterly
Reuse Flow: Daily (see footnote #37)	Not Established	Not Established	mgd	Everyday	Quarterly
Reuse Flow: Monthly Average	8.55	9.0	mgd	Monthly Calculation	Quarterly
AZPDES Flow: Daily (see footnote #37)	Not Established	Not Established	mgd	Everyday	Quarterly
AZPDES Flow: Monthly Average	Not Established	Not Established	mgd	Monthly Calculation	Quarterly
Recharge Flow: Daily (see footnote #37)	Not Established	Not Established	mgd	Everyday	Quarterly
Recharge Flow: Monthly Average	Not Established	Not Established	mgd	Monthly Calculation	Quarterly
<i>E. coli</i> : Single sample maximum	Not Established	15	CFU or MPN ⁴¹	Daily ⁴²	Quarterly
<i>E. coli</i> : four (4) of seven (7) samples in a week ⁴³	Not established	Non-detect ⁴⁴	CFU or MPN	Daily	Quarterly
Total Nitrogen ⁴⁵ : Five-sample rolling geometric mean ⁴⁶	8.0	10.0	mg/l ⁴⁷	Monthly Calculation	Quarterly

³³ Upon transitioning from Phase III to Phase IV, the permittee shall notify the Water Quality Compliance Section (see Section 2.7.5), discontinue monitoring under Table IA-II, and begin monitoring under Table IA-III.

³⁴AL = Alert Level

³⁵DL = Discharge Limit

³⁶Total flow for all methods of disposal - Reuse, AZPDES, and Recharge.

³⁷Flow shall be measured using a continuous recording flow meter which totals the flow each day.

³⁸Not Established means monitoring is required but no limits are specified.

³⁹mgd = million gallons per day

⁴⁰Monthly = Calculated value = Average of daily flow values in a month.

⁴¹CFU = Colony Forming Units / 100 ml sample. MPN = Most Probable Number / 100 ml sample. For CFU, a value of <1.0 shall be considered to be non-detect. For MPN, a value of <2.2 shall be considered to be non-detect.

⁴²For sampling frequency of *E. coli* only, the term "daily" means a sample that can practicably be obtained and delivered in sufficient time for proper analysis each day, provided that no less than four samples in each week are obtained and analyzed.

⁴³Week means a seven-day period starting on Sunday and ending on the following Saturday.

⁴⁴If at least four (4) of seven (7) samples in a week are non-detect, report "yes" in the appropriate space on the SMRF (indicating that the standard has been met). If at least four (4) of seven (7) samples in a week have detections of *E. coli*, report "no" in the appropriate space on the SMRF (indicating that the standard has not been met).

⁴⁵Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen

⁴⁶The 5-sample rolling geometric mean is determined by multiplying the five (5) most recent monthly sample values together then taking the fifth root of the product. Example: $GM_5 = \sqrt[5]{(m_1)(m_2)(m_3)(m_4)(m_5)}$

⁴⁷mg/l = milligrams per liter

TABLE IA-III, PHASE IV (up to 9.0 mgd)
Routine Discharge Monitoring (continued)

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
Metals (total):					
Antimony	0.0048	0.006	mg/l	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/l	Quarterly	Quarterly
Barium	1.60	2.00	mg/l	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/l	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/l	Quarterly	Quarterly
Chromium	0.08	0.1	mg/l	Quarterly	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/l	Quarterly	Quarterly
Lead	0.04	0.05	mg/l	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/l	Quarterly	Quarterly
Nickel	0.08	0.1	mg/l	Quarterly	Quarterly
Selenium	0.04	0.05	mg/l	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/l	Quarterly	Quarterly

**TABLE IA-III, PHASE IV (up to 9.0 mgd)
Routine Discharge Monitoring (continued)**

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs):					
Benzene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total) ⁴⁸	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

⁴⁸ Total Trihalomethanes (TTHMs) are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

TABLE IB
Reclaimed Water Monitoring - Class A⁴⁹

Sampling Point Number	Sampling Point Identification		Latitude	Longitude
1	Effluent Pump Station		33° 05' 13" N	112° 00' 42" W
Parameter	DL ⁵⁰	Units	Sampling Frequency	Reporting Frequency
<i>E. coli</i> ⁵¹ : Single sample maximum	15.0	CFU or MPN ⁵²	Daily ⁵³	Quarterly
<i>E. coli</i> : Four (4) of last seven (7) samples	Non-detect ⁵⁴	CFU or MPN	Daily	Quarterly
Total Nitrogen ⁵⁵ : Five-sample rolling geometric mean ⁵⁶	10.0	mg/l ⁵⁷	Monthly Calculation	Quarterly
Turbidity ⁵⁸ : Single reading	5.0	NTU ⁵⁹	Everyday ⁶⁰	Quarterly
Turbidity: 24-hour average	2.0	NTU	Everyday	Quarterly

⁴⁹Reclaimed water monitoring under Table IB shall be performed in addition to routine discharge monitoring required under Section 4.2, Tables IA-I through IA-III.

⁵⁰DL = discharge limit

⁵¹*E. coli* monitoring results that meet the specified discharge limits are considered to demonstrate compliance with A.A.C. R18-11-303.

⁵²CFU = Colony Forming Units per 100 ml; MPN = Most Probable Number per 100 ml. For CFU, a value of <1.0 shall be considered to be non-detect. For MPN, a value of <2.2 shall be considered to be non-detect.

⁵³For sampling frequency of *E. coli* only, the term "daily" means a sample that can practicably be obtained and delivered in sufficient time for proper analysis each day, provided that no less than four samples in each week are obtained and analyzed.

⁵⁴If at least four (4) of the last seven (7) samples are non-detect, report "yes" in the appropriate space on the SMRF (indicating that the standard has been met). If at least four (4) of the last seven (7) samples have detections of *E. coli*, report "no" in the appropriate space on the SMRF (indicating that the standard has not been met).

⁵⁵Nitrate N, plus Nitrite N, plus Total Kjeldahl Nitrogen (TKN)

⁵⁶The 5-sample rolling geometric mean is determined by multiplying the five (5) most recent monthly sample values together then taking the fifth root of the product. Example: $GM_5 = \sqrt[5]{(m_1)(m_2)(m_3)(m_4)(m_5)}$

⁵⁷mg/l = milligrams per liter

⁵⁸Turbidimeter shall be placed at a point in the wastewater treatment process after filtration and immediately before disinfection and shall have a signal averaging time not exceeding 120 seconds. All exceedances must be explained and submitted to the Department with the corresponding quarterly SMRF; occasional spikes due to back-flushing or instrument malfunction shall not be considered an exceedance.

⁵⁹NTU = Nephelometric Turbidity Units

⁶⁰For the single turbidity reading, "everyday" means the maximum reading during the 24-hour period.

TABLE IIA
Groundwater Monitoring

Sampling Point Number	Sampling Point Identification			Latitude	Longitude
2	POC Well #2			33° 04' 20" N	112° 01' 47" W
3	POC Well #3			33° 02' 39" N	112° 01' 49" W
Parameter	AL ⁶¹	AQL ⁶²	Units	Sampling Frequency	Reporting Frequency
Total Nitrogen ⁶³ : POC Well #2	None	24	mg/l ⁶⁴	Monthly Calculation	Quarterly
Total Nitrogen: POC Well #3	None	57	mg/l	Monthly Calculation	Quarterly
Nitrate-Nitrite as N: POC Well #2	None	24	mg/l	Monthly Calculation	Quarterly
Nitrate-Nitrite as N: POC Well #3	None	57	mg/l	Monthly Calculation	Quarterly
Total Kjeldahl Nitrogen (TKN)	Not Established ⁶⁵	Not Established	mg/l	Monthly	Quarterly
Total Coliform	Absence	Absence	P/A ⁶⁶	Monthly	Quarterly
Metals (total):					
Antimony	0.0048	0.006	mg/l	Monthly	Quarterly
Arsenic	0.04	0.05	mg/l	Monthly	Quarterly
Barium	1.60	2.00	mg/l	Monthly	Quarterly
Beryllium	0.0032	0.004	mg/l	Monthly	Quarterly
Cadmium	0.004	0.005	mg/l	Monthly	Quarterly
Chromium	0.08	0.1	mg/l	Monthly	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Monthly	Quarterly
Fluoride	3.2	4.0	mg/l	Monthly	Quarterly
Lead	0.04	0.05	mg/l	Monthly	Quarterly
Mercury	0.0016	0.002	mg/l	Monthly	Quarterly
Nickel	0.08	0.1	mg/l	Monthly	Quarterly
Selenium	0.04	0.05	mg/l	Monthly	Quarterly
Thallium	0.0016	0.002	mg/l	Monthly	Quarterly

⁶¹ AL = Alert Level

⁶² AQL = Aquifer Quality Limit

⁶³ Total Nitrogen is equal to Nitrate as N plus Nitrite as N plus TKN.

⁶⁴ mg/l = milligrams per liter

⁶⁵ Not Established means monitoring is required, but no limits are specified.

⁶⁶ P/A = Presence or absence of total coliforms in a 100-milliliter sample.

TABLE IIA
Groundwater Monitoring (continued)

Parameter	AL	AQ	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs):					
Benzene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total) ⁶⁷	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

⁶⁷ Total Trihalomethanes are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

TABLE IIB
Contingency Groundwater Monitoring⁶⁸

Sampling Point Number	Sampling Point Identification			Latitude	Longitude
4	POC Well #1			33° 05' 13" N	112° 00' 42" W
Parameter	AL ⁶⁹	AQL ⁷⁰	Units	Sampling Frequency	Reporting Frequency
Depth to water	Less than 5	Not Established	Feet bgs ⁷¹	Monthly	Quarterly
Nitrate-Nitrite as N	17	23	mg/l ⁷²	Monthly Calculation	Quarterly
Total Kjeldahl Nitrogen (TKN)	Not Established ⁷³	Not Established	mg/l	Monthly	Quarterly
Total Nitrogen ⁷⁴	Not Established	Not Established	mg/l	Monthly Calculation	Quarterly
Total Coliform	Absence	Absence	P/A ⁷⁵	Monthly	Quarterly
Metals (total):					
Antimony	0.0048	0.006	mg/l	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/l	Quarterly	Quarterly
Barium	1.60	2.00	mg/l	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/l	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/l	Quarterly	Quarterly
Chromium	0.08	0.1	mg/l	Quarterly	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/l	Quarterly	Quarterly
Lead	0.04	0.05	mg/l	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/l	Quarterly	Quarterly
Nickel	0.08	0.1	mg/l	Quarterly	Quarterly
Selenium	0.04	0.05	mg/l	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/l	Quarterly	Quarterly

⁶⁸ Groundwater monitoring is required only after recharge activities commence as stated in Section 2.4 of the permit. Prior to the commencement of recharge activities, the Permittee shall contact the Water Quality Compliance Section requesting SMRFs for Table IIB.

⁶⁹ AL = Alert Level

⁷⁰ AQL = Aquifer Quality Limit

⁷¹ bgs = below ground surface

⁷² mg/l = milligrams per liter

⁷³ Not Established means monitoring is required, but no limits are specified.

⁷⁴ Total Nitrogen is equal to Nitrate as N plus Nitrite as N plus TKN. Use one sample to determine Total Nitrogen and the associated components (Nitrate as N, Nitrite as N, and TKN).

⁷⁵ P/A = Presence or absence of total coliforms in a 100-milliliter sample.

TABLE IIB
Contingency Groundwater Monitoring (continued)

Parameter	AL	AQ	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs):					
Benzene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total) ⁷⁶	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

⁷⁶ Total Trihalomethanes are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

TABLE IIIA
Facility Inspection (Operational Monitoring) - SMRF⁷⁷
Not applicable

TABLE IIIB
Facility Inspection (Operational Monitoring) - Log Book⁷⁸

Pollution Control Structure/Parameter	Performance Level	Inspection Frequency	Reporting Frequency
Pump Integrity	Good working condition	Weekly	See Section 2.7.3
Treatment Plant Components	Good working condition	Weekly	See Section 2.7.3
West Lagoon Berm Integrity	No visible structural damage, breach, or erosion of embankments	Weekly	See Section 2.7.3
West Lagoon Liner Integrity	No cracks or leaks that would exceed a leakage rate of 550 gpd/acre	Weekly	See Section 2.7.3
East Lagoon Berm Integrity	No visible structural damage, breach, or erosion of embankments	Weekly	See Section 2.7.3
East Lagoon Liner Integrity	No cracks or leaks that would exceed a leakage rate of 550 gpd/acre	Weekly	See Section 2.7.3

⁷⁷ The permittee shall record the inspection performance levels in a log book as per Section 2.7.2, report any violations or exceedances as per Section 2.7.3, and record freeboard results on the SMRF. In the case of an exceedance, identify which structure exceeds the freeboard performance level in the log book and on the SMRF.

⁷⁸ The permittee shall record the inspection performance levels in a log book as per Section 2.7.2, and report any violations or exceedances as per Section 2.7.3. In the case of an exceedance, identify which structure exceeds the performance level in the log book.

5.0 REFERENCES AND PERTINENT INFORMATION

The terms and conditions set forth in this permit have been developed based upon the information contained in the following, which are on file with the Department:

1. APP Application, dated: April 16, 2014
2. Contingency Plan, dated: June 19, 2013
3. Final Hydrologist Report, dated: not applicable
4. Final Engineering Report, dated: April 28, 2014
5. Public Notice, dated: Not applicable
6. Public Hearing, dated: Not applicable
7. Responsiveness Summary, dated: Not applicable

6.0 NOTIFICATION PROVISIONS

6.1 Annual Registration Fees

The permittee is notified of the obligation to pay an Annual Registration Fee to ADEQ. The Annual Registration Fee is based upon the amount of daily influent or discharge of pollutants in gallons-per-day (gpd) as established by A.R.S. § 49-242.

6.2 Duty to Comply [A.R.S. §§ 49-221 through 263]

The permittee is notified of the obligation to comply with all conditions of this permit and all applicable provisions of Title 49, Chapter 2, Articles 1, 2 and 3 of the Arizona Revised Statutes, Title 18, Chapter 9, Articles 1 through 4, and Title 18, Chapter 11, Article 4 of the Arizona Administrative Code. Any permit non-compliance constitutes a violation and is grounds for an enforcement action pursuant to Title 49, Chapter 2, Article 4 or permit amendment, suspension, or revocation.

6.3 Duty to Provide Information [A.R.S. §§ 49-243(K)(2) and 49-243(K)(8)]

The permittee shall furnish to the Director, or an authorized representative, within a time specified, any information which the Director may request to determine whether cause exists for amending or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

6.4 Compliance with Aquifer Water Quality Standards [A.R.S. §§ 49-243(B)(2) and 49-243(B)(3)]

The permittee shall not cause or contribute to a violation of an AWQS at the applicable POC for the facility. Where, at the time of issuance of the permit, an aquifer already exceeds an AWQS for a pollutant, the permittee shall not discharge that pollutant so as to further degrade, at the applicable point of compliance for the facility, the water quality of any aquifer for that pollutant.

6.5 Technical and Financial Capability

[A.R.S. §§ 49-243(K)(8) and 49-243(N) and A.A.C. R18-9-A202(B) and R18-9-A203(E) and (F)]

The permittee shall have and maintain the technical and financial capability necessary to fully carry out the terms and conditions of this permit. Any bond, insurance policy, trust fund, or other financial assurance mechanism provided as a demonstration of financial capability in the permit application, pursuant to A.A.C. R18-9-A203(D), shall be in effect prior to any discharge authorized by this permit and shall remain in effect for the duration of the permit.

6.6 Reporting of Bankruptcy or Environmental Enforcement [A.A.C. R18-9-A207(C)]

The permittee shall notify the Director within five days after the occurrence of any one of the following:

1. the filing of bankruptcy by the permittee; or
2. the entry of any order or judgment not issued by the Director against the permittee for the enforcement of any environmental protection statute or rule.

6.7 Monitoring and Records [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A206]

The permittee shall conduct any monitoring activity necessary to assure compliance with this permit, with the applicable water quality standards established pursuant to A.R.S. §§ 49-221 and 49-223 and §§ 49-241 through 49-252.

6.8 Inspection and Entry [A.R.S. §§ 49-1009, 49-203(B), and 49-243(K)(8)]

In accordance with A.R.S. §§ 41-1009 and 49-203(B), the permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to enter and

inspect the facility as reasonably necessary to ensure compliance with Title 49, Chapter 2, Article 3 of the Arizona Revised Statutes, and Title 18, Chapter 9, Articles 1 through 4 of the Arizona Administrative Code and the terms and conditions of this permit.

6.9 Duty to Modify [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A211]

The permittee shall apply for and receive a written amendment before deviating from any of the designs or operational practices authorized by this permit.

**6.10 Permit Action: Amendment, Transfer, Suspension, and Revocation
[A.R.S. §§ 49-201, 49-241 through 251, A.A.C. R18-9-A211, R18-9-A212 and R18-9-A213]**

This permit may be amended, transferred, suspended, or revoked for cause, under the rules of the Department. The permittee shall notify the Groundwater Section in writing within 15 days after any change in the owner or operator of the facility. The notification shall state the permit number, the name of the facility, the date of property transfer, and the name, address, and phone number where the new owner or operator can be reached. The operator shall advise the new owner or operators of the terms of this permit and the need for permit transfer in accordance with the rules.

7.0 ADDITIONAL PERMIT CONDITIONS

7.1 Other Information [A.R.S. § 49-243(K)(8)]

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, the permittee shall promptly submit the correct facts or information.

**7.2 Severability
[A.R.S. §§ 49-201, 49-241 through 251, A.A.C. R18-9-A211, R18-9-A212 and R18-9-A213]**

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. The filing of a request by the permittee for a permit action does not stay or suspend the effectiveness of any existing permit condition.

7.3 Permit Transfer

This permit may not be transferred to any other person except after notice to and approval of the transfer by the Department. No transfer shall be approved until the applicant complies with all transfer requirements as specified in A.A.C. R18-9-A212(B) and (C).

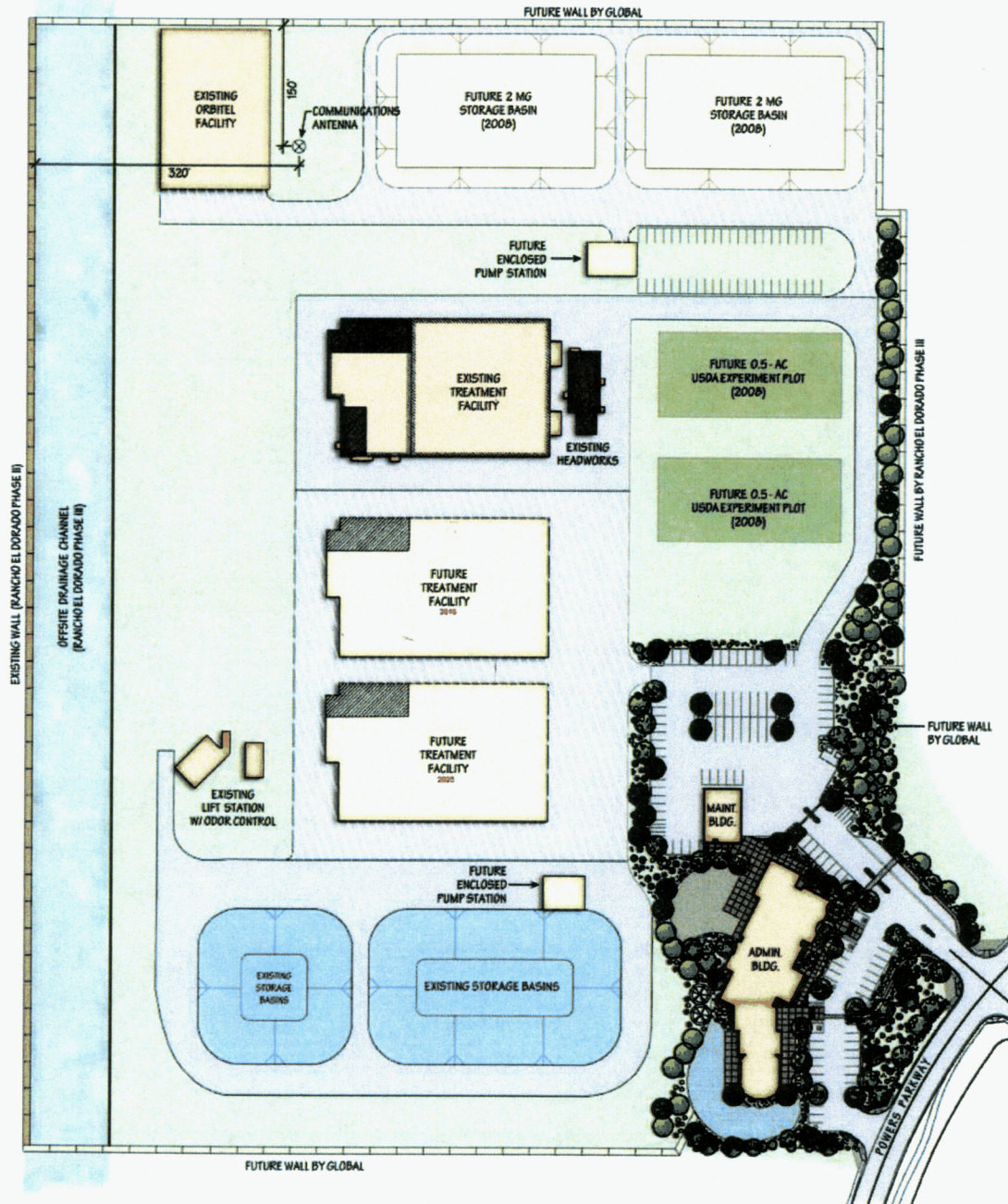


APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 8

ESTIMATED TOTAL CONSTRUCTION COSTS AND PLANT PROJECTIONS

GILA RIVER INDIAN COMMUNITY



Palo Verde WRF Campus 1

GLOBAL WATER- PALO VERDE UTILITY COMPANY CC&N EXPANSION **ESTIMATED OFFSITE SEWER INFRASTRUCTURE COSTS**

SANTA CRUZ LAND

Offsite Infrastructure	Quantity	Units	Unit Price	Total	NARUC
12" PVC SDR 35	1991	LF	\$ 75.00	\$ 149,325.00	361
60" Manhole	6	Ea	\$ 2,500.00	\$ 15,000.00	361
Engineering and Permits	10%	ls	\$ -	\$ 16,432.50	361
Total				\$ 180,757.50	

ESTRELLA GIN

Offsite Infrastructure	Quantity	Units	Unit Price	Total	NARUC
No Offsite Infrastructure required					

EAGLE WING

Offsite Infrastructure	Quantity	Units	Unit Price	Total	NARUC
24" PVC SDR 35	11640	LF	\$ 110.00	\$ 1,280,400.00	361
60" Manhole	20	Ea	\$ 2,500.00	\$ 50,000.00	361
Jack and Bore	1600	LF	\$ 200.00	\$ 320,000.00	331
Engineering and Permits	10%	ls	\$ -	\$ 165,040.00	361
Total				\$ 1,815,440.00	

ANDERSON RUSSELL

Offsite Infrastructure	Quantity	Units	Unit Price	Total	NARUC
24" PVC SDR 35	26503	LF	\$ 110.00	\$ 2,915,330.00	361
60" Manhole	45	Ea	\$ 2,500.00	\$ 112,500.00	361
Jack and Bore	800	LF	\$ 200.00	\$ 160,000.00	361
Engineering and Permits	10%	ls	\$ -	\$ 318,783.00	361
Total				\$ 3,506,613.00	

COM EAGLE WING PAD

Offsite Infrastructure	Quantity	Units	Unit Price	Total	NARUC
No Offsite Infrastructure required					

RECYCLING CENTER

Offsite Infrastructure	Quantity	Units	Unit Price	Total	NARUC
No Offsite Infrastructure required					

**GLOBAL WATER-PALO VERDE UTILITY COMPANY CC&N EXPANSION
ESTIMATED ONSITE SEWER INFRASTRUCTURE**

SANTA CRUZ LAND						
Phase 1 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
8" SDR 35	1550	LF	\$ 60.00	\$ 93,000.00	361	
48" Manhole	4	Ea	\$ 2,000.00	\$ 8,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 13,700.00	361	\$ 114,700.00
6" Services	72	Ea	\$ 500.00	\$ 36,000.00	363	\$ 36,000.00
TOTAL PHASE 1				\$ 150,700.00		\$ 150,700.00

SANTA CRUZ LAND						
Phase 2 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
8" SDR 35	2900	LF	\$ 60.00	\$ 174,000.00	361	
48" Manhole	8	Ea	\$ 2,000.00	\$ 16,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 22,600.00	361	\$ 212,600.00
6" Services	72	Ea	\$ 500.00	\$ 36,000.00	363	\$ 36,000.00
TOTAL PHASE 2				\$ 248,600.00		\$ 248,600.00

SANTA CRUZ LAND						
Phase 3 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
8" SDR 35	1900	LF	\$ 60.00	\$ 114,000.00	361	
48" Manhole	4	Ea	\$ 2,000.00	\$ 8,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 15,850.00	361	\$ 137,850.00
6" Services	73	Ea	\$ 500.00	\$ 36,500.00	363	\$ 36,500.00
TOTAL PHASE 3				\$ 174,350.00		\$ 174,350.00

ESTRELLA GIN						
Phase 1 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" SDR 35	540	LF	\$ 75.00	\$ 40,500.00	361	
8" SDR 35	460	LF	\$ 60.00	\$ 27,600.00	361	
48" Manhole	4	Ea	\$ 2,000.00	\$ 8,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 6,350.00	361	\$ 82,450.00
6" Services	30	Ea	\$ 500.00	\$ 15,000.00	363	\$ 15,000.00
TOTAL PHASE 1				\$ 97,450.00		\$ 97,450.00

ESTRELLA GIN						
Phase 2 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" SDR 35	485	LF	\$ 75.00	\$ 36,375.00	361	
8" SDR 35	950	LF	\$ 60.00	\$ 57,000.00	361	
48" Manhole	8	Ea	\$ 2,000.00	\$ 16,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 6,737.50	361	\$ 116,112.50
6" Services	30	Ea	\$ 500.00	\$ 15,000.00	363	\$ 15,000.00
TOTAL PHASE 2				\$ 131,112.50		\$ 131,112.50

ESTRELLA GIN						
Phase 3 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" SDR 35	365	LF	\$ 75.00	\$ 27,375.00	361	
8" SDR 35	445	LF	\$ 60.00	\$ 26,700.00	361	
48" Manhole	2	Ea	\$ 2,000.00	\$ 4,000.00	361	
Engineering and Permits	10%	ls	\$ -	\$ 4,687.50	361	\$ 62,762.50
6" Services	31	Ea	\$ 500.00	\$ 15,500.00	363	\$ 15,500.00
TOTAL PHASE 3				\$ 78,262.50		\$ 78,262.50

EAGLE WING						
Phase 1 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" PVC SDR 35	3100	LF	\$ 75.00	\$ 232,500.00	361	
8" SDR 35	4100	LF	\$ 60.00	\$ 246,000.00	361	
48" Manhole	12	Ea	\$ 1,000.00	\$ 12,000.00	361	
Engineering and Permits	10%	Is	\$ -	\$ 34,350.00	361	\$ 524,850.00
6" Services	171	Ea	\$ 500.00	\$ 85,500.00	363	\$ 85,500.00
TOTAL PHASE 1				\$ 610,350.00		\$ 610,350.00

EAGLE WING						
Phase 2 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
8" SDR 35	5600	LF	\$ 60.00	\$ 336,000.00	361	
48" Manhole	7	Ea	\$ 1,000.00	\$ 7,000.00	361	
Engineering and Permits	10%	Is	\$ -	\$ 42,850.00	361	\$ 385,850.00
6" Services	171	Ea	\$ 500.00	\$ 85,500.00	363	\$ 85,500.00
TOTAL PHASE 2				\$ 471,350.00		\$ 471,350.00

EAGLE WING						
Phase 3 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
8" SDR 35	3200	LF	\$ 60.00	\$ 192,000.00	361	
48" Manhole	5	Ea	\$ 1,000.00	\$ 5,000.00	361	
Engineering and Permits	10%	Is	\$ -	\$ 28,300.00	361	\$ 225,300.00
6" Services	172	Ea	\$ 500.00	\$ 86,000.00	363	\$ 86,000.00
TOTAL PHASE 3				\$ 311,300.00		\$ 311,300.00

ANDERSON RUSSELL						
Phase 1 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" PVC SDR 35	0	LF	\$ 75.00	\$ -	361	
8" SDR 35	6800	LF	\$ 60.00	\$ 408,000.00	361	
48" Manhole	14	Ea	\$ 1,000.00	\$ 14,000.00	361	
Engineering and Permits	10%	Is	\$ -	\$ 97,650.00	361	\$ 519,650.00
6" Services	1109	Ea	\$ 500.00	\$ 554,500.00	363	\$ 554,500.00
TOTAL PHASE 1				\$ 1,074,150.00		\$ 1,074,150.00

ANDERSON RUSSELL						
Phase 2 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" PVC SDR 35	8000	LF	\$ 75.00	\$ 600,000.00	361	
8" SDR 35	17000	LF	\$ 60.00	\$ 1,020,000.00	361	
48" Manhole	60	Ea	\$ 1,000.00	\$ 60,000.00	361	
Engineering and Permits	10%	Is	\$ -	\$ 163,450.00	361	\$ 1,843,450.00
6" Services	1109	Ea	\$ 500.00	\$ 554,500.00	363	\$ 554,500.00
TOTAL PHASE 2				\$ 2,397,950.00		\$ 2,397,950.00

ANDERSON RUSSELL						
Phase 3 On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
12" PVC SDR 35	5200	LF	\$ 75.00	\$ 390,000.00	361	
8" SDR 35	750	LF	\$ 60.00	\$ 45,000.00	361	
48" Manhole	40	Ea	\$ 1,000.00	\$ 40,000.00	361	
Engineering and Permits	10%	Is	\$ -	\$ 63,950.00	361	\$ 538,950.00
6" Services	1109	Ea	\$ 500.00	\$ 554,500.00	363	\$ 554,500.00
TOTAL PHASE 3				\$ 1,093,450.00		\$ 1,093,450.00

COM EAGLE WING PAD						
On-Site Sewer System	Quantity	Units	Unit Price	Total	NARUC	NARUC TOTAL

There is no on-site infrastructure for this property, it is all dedicated right of way

RECYCLING CENTER						
On-Site Sewer System	Quan	Units	Unit Price	Total	NARUC	NARUC TOTAL
Engineering and Permits	10%	ls	\$ -	\$ 50.00	363	
6" Services	1	Ea	\$ 500.00	\$ 500.00	363	\$ 550.00
TOTAL PHASE 3				\$ 550.00		\$ 550.00

GLOBAL WATER- PALO VERDE UTILITY COMPANY CC&N EXPANSION
ESTIMATED PLANT PLANT COSTS

CAMPUS 1 EXPANSION						
Item Desc	Quantity	Units	Total	NARUC	NARUC TOTAL	
Structures & Improvements	1	ls	\$ 1,500,000.00	354	\$	1,500,000.00
Power Generation Equip	1	ls	\$ 750,000.00	355	\$	750,000.00
Pumping Equipment	1	ls	\$ 2,500,000.00	371	\$	2,500,000.00
Treatment and Disposal	1	ls	\$ 3,500,000.00	380	\$	3,500,000.00
Other Plant and Misc Equipment	1	ls	\$ 750,000.00	389		
Engineering and Permits	15%	ls	\$ 1,350,000.00	389	\$	2,100,000.00
			Total \$	10,350,000.00		\$ 10,350,000.00

Total sewer flow at full build out	1,017,940 gpd
Industry standard- \$/gallon	\$ 10.00 per gallon
	\$ 10,179,400.00

PALO VERDE CC&N EXPANSION- 2014 COST SUMMARY AND SCHEDULE									
				Year 1		Year 2		Year 3	
				% Built	Total	% Built	Total	% Built	Total
Santa Cruz Land	Offsite			0%	\$	0%	\$	0%	\$
	Phase I Onsite			0%	\$	0%	\$	0%	\$
	NARUC 361	\$	180,757.50						
	NARUC 361	\$	114,700.00						
	NARUC 363	\$	36,000.00						
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
	Phase II Onsite			0%	\$	0%	\$	0%	\$
	NARUC 361	\$	212,600.00						
	NARUC 363	\$	36,000.00						
Estrella Gin	Offsite			0%	\$	0%	\$	0%	\$
	Phase I Onsite			0%	\$	0%	\$	0%	\$
	NARUC 361	\$	137,850.00						
	NARUC 363	\$	36,500.00						
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
	Phase II Onsite			0%	\$	0%	\$	0%	\$
	NARUC 361	\$	116,112.50						
	NARUC 363	\$	15,000.00						
Eagle Wing	Offsite			0%	\$	0%	\$	0%	\$
	Phase I Onsite			0%	\$	0%	\$	0%	\$
	NARUC 361	\$	62,762.50						
	NARUC 363	\$	15,500.00						
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
	Phase II Onsite			0%	\$	0%	\$	0%	\$
	NARUC 361	\$	385,850.00						
	NARUC 363	\$	85,500.00						
	Offsite			0%	\$	0%	\$	0%	\$
	Phase I Onsite			0%	\$	0%	\$	0%	\$
	NARUC 361	\$	524,850.00						
	NARUC 363	\$	85,500.00						
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
		\$	-	0%	\$	0%	\$	0%	\$
	Phase II Onsite			0%	\$	0%	\$	0%	\$
	NARUC 361	\$	225,300.00						
	NARUC 363	\$	86,000.00						

			Year 1		Year 2		Year 3	
			% Built	Total	% Built	Total	% Built	Total
Anderson Russell	Offsite							
	NARUC 361	\$ 3,506,613.00	0%	\$ -	0%	\$ -	30%	\$ 1,051,983.90
	Phase I Onsite		0%	\$ -		\$ -		\$ -
	NARUC 361	\$ 519,650.00	0%	\$ -		\$ -		\$ -
	NARUC 363	\$ 554,500.00	0%	\$ -		\$ -		\$ -
		\$ -	0%	\$ -		\$ -		\$ -
		\$ -	0%	\$ -		\$ -		\$ -
	Phase II Onsite		0%	\$ -		\$ -		\$ -
	NARUC 361	\$ 1,843,450.00	0%	\$ -	0%	\$ -	0%	\$ -
	NARUC 363	\$ 554,500.00	0%	\$ -	0%	\$ -	0%	\$ -
		\$ -	0%	\$ -		\$ -		\$ -
		\$ -	0%	\$ -		\$ -		\$ -
	Phase III							
	NARUC 361	\$ 538,950.00	0%	\$ -	0%	\$ -	0%	\$ -
	NARUC 363	\$ 554,500.00	0%	\$ -	0%	\$ -	0%	\$ -
		\$ -	0%	\$ -		\$ -		\$ -
		\$ -	0%	\$ -		\$ -		\$ -
		\$ -	0%	\$ -		\$ -		\$ -
		\$ -	0%	\$ -		\$ -		\$ -
		\$ -	0%	\$ -		\$ -		\$ -
COM Eagle Wing PAD	Offsite							
	NA	\$ -	0%	\$ -		\$ -		\$ -
	Onsite							
	NA	\$ -	0%	\$ -		\$ -		\$ -
	Offsite							
	NARUC 361	\$ -	0%	\$ -	0%	\$ -	0%	\$ -
		\$ -	0%	\$ -		\$ -		\$ -
	Onsite							
	NARUC 363	\$ 550.00	100%	\$ 550.00	100%	\$ -	100%	\$ -
Plant	Campus 1							
	NARUC 354	\$ 1,500,000.00	10%	\$ 150,000.00	25%	\$ 225,000.00	40%	\$ 225,000.00
	NARUC 355	\$ 750,000.00	10%	\$ 75,000.00	25%	\$ 112,500.00	40%	\$ 112,500.00
	NARUC 371	\$ 2,500,000.00	10%	\$ 250,000.00	25%	\$ 375,000.00	40%	\$ 375,000.00
	NARUC 380	\$ 3,500,000.00	10%	\$ 350,000.00	25%	\$ 525,000.00	40%	\$ 525,000.00
	NARUC 389	\$ 2,100,000.00	10%	\$ 210,000.00	25%	\$ 315,000.00	40%	\$ 315,000.00
Totals			% Built	Total	% Built	Total	% Built	Total
	NARUC 361	\$ 10,267,335.50		\$ 16,490.00		\$ 65,960.00		\$ 1,098,428.90
	NARUC 363	\$ 2,074,500.00		\$ 3,550.00		\$ 12,000.00		\$ 6,000.00
	NARUC 354	\$ 1,500,000.00		\$ 150,000.00		\$ 225,000.00		\$ 225,000.00
	NARUC 355	\$ 750,000.00		\$ 75,000.00		\$ 112,500.00		\$ 112,500.00
	NARUC 371	\$ 2,500,000.00		\$ 250,000.00		\$ 375,000.00		\$ 375,000.00
	NARUC 380	\$ 3,500,000.00		\$ 350,000.00		\$ 525,000.00		\$ 525,000.00
	NARUC 389	\$ 2,100,000.00		\$ 210,000.00		\$ 315,000.00		\$ 315,000.00
			Total	\$ 1,055,040.00	Total	\$ 1,630,460.00	Total	\$ 2,656,928.90

PALO VERDE CC&N EXPANSION- 2014 COST SUMMARY AND SCHEDULE															
			Year 4			Year 5					Number of Customers (Meter Sets) Per Year				
			% Built	Total		% Built	Total			Total	Year 1	Year 2	Year 3	Year 4	Year 5
Santa Cruz Land	Offsite		0% \$	-		75% \$	135,568.13								
	Phase I Onsite														
	NARUC 361		0% \$	-		75% \$	86,025.00	Res	0	0	0	0	0	0	0
	NARUC 363		0% \$	-		75% \$	27,000.00	Comm	41	0	0	0	0	0	20
			0% \$	-		75% \$	-	Ind	11	0	0	0	0	0	5
			0% \$	-		75% \$	-								
	Phase II Onsite														
	NARUC 361		0% \$	-		0% \$	-	Res	0	0	0	0	0	0	0
	NARUC 363		0% \$	-		0% \$	-	Comm	41	0	0	0	0	0	0
			0% \$	-		0% \$	-	Ind	11	0	0	0	0	0	0
Estrella Gin	Phase III														
	NARUC 361		0% \$	-		0% \$	-	Res	0	0	0	0	0	0	0
	NARUC 363		0% \$	-		0% \$	-	Comm	41	0	0	0	0	0	0
			0% \$	-		0% \$	-	Ind	11	0	0	0	0	0	0
			0% \$	-		0% \$	-								
			0% \$	-		0% \$	-								
	Offsite														
	NARUC 361		0% \$	-		0% \$	-								
	Phase I Onsite														
	NARUC 361		100% \$	-		100% \$	-	Res	0	0	0	0	0	0	0
NARUC 363		100% \$	-		100% \$	-	Comm	14	3	11	0	0	0	0	
		100% \$	-		100% \$	-	Ind	7	1	6	0	0	0	0	
		100% \$	-		100% \$	-									
Eagle Wing	Phase II Onsite														
	NARUC 361		75% \$	40,639.38		90% \$	17,416.88	Res	0	0	0	0	0	0	0
	NARUC 363		75% \$	5,250.00		90% \$	2,250.00	Comm	14	0	0	0	0	0	1
			75% \$	-		90% \$	-	Ind	7	0	0	0	0	0	1
			75% \$	-		90% \$	-								
	Phase III														
	NARUC 361		10% \$	6,276.25		50% \$	25,105.00	Res	0	0	0	0	0	0	0
	NARUC 363		10% \$	1,550.00		50% \$	6,200.00	Comm	14	0	0	0	0	0	1
			10% \$	-		50% \$	-	Ind	7	0	0	0	0	0	1
			10% \$	-		50% \$	-								
Eagle Wing	Offsite														
	NARUC 361		20% \$	363,088.00		65% \$	816,948.00								
	Phase I Onsite														
	NARUC 361		20% \$	104,970.00		75% \$	288,667.50	Res	431	0	0	0	0	0	86
	NARUC 363		20% \$	17,100.00		75% \$	47,025.00	Comm	49	0	0	0	0	0	10
			20% \$	-		75% \$	-	Ind	5	0	0	0	0	0	1
			20% \$	-		75% \$	-								
	Phase II Onsite														
	NARUC 361		0% \$	-		15% \$	57,877.50	Res	431	0	0	0	0	0	42
	NARUC 363		0% \$	-		15% \$	12,825.00	Comm	49	0	0	0	0	0	5
		0% \$	-		15% \$	-	Ind	5	0	0	0	0	0	0	
Eagle Wing	Phase III														
	NARUC 361		0% \$	-		0% \$	-	Res	431	0	0	0	0	0	0
	NARUC 363		0% \$	-		0% \$	-	Comm	49	0	0	0	0	0	0
			0% \$	-		0% \$	-	Ind	5	0	0	0	0	0	0
			0% \$	-		0% \$	-								
			0% \$	-		0% \$	-								
			0% \$	-		0% \$	-								
			0% \$	-		0% \$	-								
			0% \$	-		0% \$	-								
			0% \$	-		0% \$	-								

Palo Verde Utilities Company																			
CC&N Expansion 2014																			
NARUC Sewer Depreciation Rates																			
NARUC Acct No.	Depreciable Plant	Average Service Life (Years)	Annual Accrual Rate (%)	Beginning Balance	Additions	Current year depreciation	Ending Balance	Additions	Current year depreciation	Ending Balance	Additions	Current year depreciation	Ending Balance						
354	Structures & Improvements	30	3.33		\$ 150,000.00	\$ (2,500.00)	\$ 147,500.00	\$ 225,000.00	\$ (8,750.00)	\$ 363,750.00									
355	Power Generation Equipment	20	5.00		75,000.00	(1,875.00)	73,125.00	112,500.00	(6,562.50)	179,062.50									
360	Collection Sewers - Force	50	2.00			-	-		-	-									
361	Collection Sewers - Gravity Offsite	50	2.00		\$ -	-	-	\$ -	-	-									
361	Collection Sewers - Gravity Onsite	50	2.00		\$ 16,490.00	(164.90)	16,325.10	\$ 65,960.00	(989.40)	81,295.70									
362	Special Collecting Structures	50	2.00			-	-		-	-									
363	Services to Customers	50	2.00		\$ 3,550.00	(35.50)	3,514.50	\$ 12,000.00	(191.00)	15,323.50									
364	Flow Measuring Devices	10	10.00			-	-		-	-									
365	Flow Measuring Installations	10	10.00			-	-		-	-									
366	Reuse Services	50	2.00			-	-		-	-									
367	Reuse Meters & Meter Installations	12	8.33			-	-		-	-									
370	Receiving Wells	30	3.33			-	-		-	-									
371	Pumping Equipment	8	12.50		\$ 250,000.00	(15,625.00)	234,375.00	\$ 375,000.00	(54,687.50)	554,687.50									
374	Reuse Distribution Reservoirs	40	2.50			-	-		-	-									
375	Reuse Transmission & Distribution System	40	2.50			-	-		-	-									
380	Treatment & Disposal Equipment	20	5.00		\$ 350,000.00	(8,750.00)	341,250.00	\$ 525,000.00	(30,625.00)	835,625.00									
381	Plant Sewers	20	5.00			-	-		-	-									
382	Outfall Sewer Lines	30	3.33			-	-		-	-									
389	Other Plant & Miscellaneous Equipment	15	6.67		\$ 210,000.00	(7,000.00)	203,000.00	\$ 315,000.00	(24,500.00)	493,500.00									
390	Office Furniture & Equipment	15	6.67			-	-		-	-									
390.1	Computers & Software	5	20.00			-	-		-	-									
391	Transportation Equipment	5	20.00			-	-		-	-									
392	Stores Equipment	25	4.00			-	-		-	-									
393	Tools, Shop & Garage Equipment	20	5.00			-	-		-	-									
394	Laboratory Equipment	10	10.00			-	-		-	-									
395	Power Operated Equipment	20	5.00			-	-		-	-									
396	Communication Equipment	10	10.00			-	-		-	-									
397	Miscellaneous Equipment	10	10.00			-	-		-	-									
398	Other Tangible Plant	10	10.00			-	-		-	-									
				\$ -	\$ 1,055,040.00	\$ (35,950.40)	\$ 1,019,089.60	\$ 1,630,460.00	\$ (126,305.40)	\$ 2,523,244.20									
	Total Offsite Depreciation				\$ 1,035,000.00	\$ (35,750.00)		\$ 1,552,500.00	\$ (125,125.00)										
	Percent of Offsites Funded by HUF					50%			50%										
	CIAC Amortization (total offsite dep x 50%)					\$ (17,875.00)			\$ (62,562.50)										

Palo Verde Utilities Company									
CC&N Expansion 2014									
NARUC Sewer Depreciation Rates									
NARUC Acct No.	Depreciable Plant	2018			2019			2020	
		Additions	Current year depreciation	Ending Balance	Additions	Current year depreciation	Ending Balance	Additions	Current year depreciation
354	Structures & Improvements	\$ 225,000.00	\$ (16,250.00)	\$ 572,500.00	\$ 75,000.00	\$ (21,250.00)	\$ 626,250.00	\$ 150,000.00	\$ (25,000.00)
355	Power Generation Equipment	112,500.00	(12,187.50)	279,375.00	37,500.00	(15,937.50)	300,937.50	75,000.00	(18,750.00)
360	Collection Sewers - Force		-	-		-	-		-
361	Collection Sewers - Gravity Offsite	\$ 1,051,983.90	(10,519.84)	1,041,464.06	\$ 2,817,717.10	(49,216.85)	3,809,964.31	\$ 952,516.13	(86,919.18)
361	Collection Sewers - Gravity Onsite	\$ 46,445.00	(2,113.45)	125,627.25	\$ 255,815.63	(5,136.06)	376,306.82	\$ 579,021.88	(13,484.43)
362	Special Collecting Structures		-	-		-	-		-
363	Services to Customers	\$ 6,000.00	(371.00)	20,952.50	\$ 134,800.00	(1,779.00)	153,973.50	\$ 206,200.00	(5,189.00)
364	Flow Measuring Devices		-	-		-	-		-
365	Flow Measuring Installations		-	-		-	-		-
366	Reuse Services		-	-		-	-		-
367	Reuse Meters & Meter Installations		-	-		-	-		-
370	Receiving Wells		-	-		-	-		-
371	Pumping Equipment	375,000.00	(101,562.50)	828,125.00	125,000.00	(132,812.50)	820,312.50	250,000.00	(156,250.00)
374	Reuse Distribution Reservoirs		-	-		-	-		-
375	Reuse Transmission & Distribution System		-	-		-	-		-
380	Treatment & Disposal Equipment	525,000.00	(56,875.00)	1,303,750.00	175,000.00	(74,375.00)	1,404,375.00	350,000.00	(87,500.00)
381	Plant Sewers		-	-		-	-		-
382	Outfall Sewer Lines		-	-		-	-		-
389	Other Plant & Miscellaneous Equipment	315,000.00	(45,500.00)	763,000.00	105,000.00	(59,500.00)	808,500.00	210,000.00	(70,000.00)
390	Office Furniture & Equipment		-	-		-	-		-
390.1	Computers & Software		-	-		-	-		-
391	Transportation Equipment		-	-		-	-		-
392	Stores Equipment		-	-		-	-		-
393	Tools, Shop & Garage Equipment		-	-		-	-		-
394	Laboratory Equipment		-	-		-	-		-
395	Power Operated Equipment		-	-		-	-		-
396	Communication Equipment		-	-		-	-		-
397	Miscellaneous Equipment		-	-		-	-		-
398	Other Tangible Plant		-	-		-	-		-
		\$ 2,656,928.90	\$ (245,379.29)	\$ 4,934,793.81	\$ 3,725,832.73	\$ (360,006.91)	\$ 8,300,619.63	\$ 2,772,738.00	\$ (463,092.61)
	Total Offsite Depreciation	\$ 2,604,483.90	\$ (242,894.84)		\$ 3,335,217.10	\$ (353,091.85)		\$ 1,987,516.13	\$ (444,419.18)
	Percent of Offsites Funded by HUF		50%			50%			50%
	CIAC Amortization (total offsite dep x 50%)		\$ (121,447.42)			\$ (176,545.92)			\$ (222,209.59)

PVUC CC&N Expansion- 2014
Demand and Meter Count Tables

Santa Cruz Land Company

Parcel	Acres	Avg Day Demand	Total GPD	Mon/ Demand	Water Meters	# of Accts
Residential	0.00	1,053	-	-	0	0
Commercial	63.10	2,200.00	138,820	4,164,600	123	123
Industrial	32.60	1,200	39,120	1,173,600	32	32
	95.70		177,940	5,338,200	155	155

Estrella Gin

Parcel	Acres	Avg Daily Demand	Total GPD	Monthly Demand	Total Meters	# of Accts
Residential	0.00	1,125	-	-	0	0
Commercial	22.00	2,800	61,600	1,848,000	43	43
Industrial	22.00	1,800	39,600	1,188,000	22	22
	44.00		101,200	3,036,000	65	65

Eagle Wing

386

Parcel	Acres	Avg Daily Demand	Total GPD	Monthly Demand	Total Meters	# of Accts
Residential	250.00	1,125	281,250	8,437,500	1292	1292
Commercial	75.00	2,800	210,000	6,300,000	146	146
Industrial	15.00	1,800	27,000	810,000	15	15
	340.00		237,000	15,547,500	1453	1453

Anderson Russell

Parcel	Acres	Avg Daily Demand	Total GPD	Monthly Demand	Total Meters	# of Accts
Residential	475.00	1,125	534,375	16,031,250	2455	2455
Commercial	165.00	2,800	462,000	13,860,000	322	322
Industrial	19.00	1,800	34,200	1,026,000	19	19
	659.00		496,200	30,917,250	2796	2796

COM Eagle Wing PAD

Parcel	Acres	Avg Daily Demand	Total GPD	Monthly Demand	Total Meters	# of Accts
Residential	0.00	1,125	-	-	0	0
Commercial	0.00	2,800	-	-	0	0
Industrial	0.00	1,800	-	-	0	0
	0.00					0

Recycling Center

Parcel	Acres	Avg Daily Demand	Total GPD	Monthly Demand	Total Meters	# of Accts
Residential	0.00	1,125	-	-	0	0
Commercial	2.00	2,800	5,600	168,000	2	2
Industrial	0.00	1,800	-	-	0	0
	2.00		5,600	168,000		2



APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 9

APPLICANT'S GENERAL STATEMENT OF FINANCIAL CONDITION

BALANCE SHEET

Acct No.		BALANCE AT BEGINNING OF TEST YEAR	BALANCE AT END OF YEAR
	ASSETS		
	CURRENT AND ACCRUED ASSETS		
131	Cash and cash equivalents	\$103,515	\$103,578
132	Special Deposits	139,539	140,008
134	Working Funds	0	0
135	Temporary Cash Investments	0	0
141	Customer Accounts Receivable	762,452	703,468
142	Other Accounts Receivable	0	110,201
143	Accumulated Provision for Uncollectible Accounts	(106,771)	(57,077)
151	Plant Material and Supplies	32,530	13,510
162	Prepayments	44,361	34,725
173	Accrued Revenue	\$721,242	\$841,271
	TOTAL CURRENT AND ACCRUED ASSETS	\$1,696,868	\$1,889,684
	FIXED ASSETS		
101	Utility Plant in Service	\$109,466,451	\$111,388,164
103	Property Held for Future Use	0	0
105	Construction Work in Progress	17,083,853	16,654,280
108	Accumulated Depreciation – Utility Plant	(22,252,373)	(25,546,136)
121	Non-Utility Property	0	0
122	Accumulated Depreciation – Non Utility	0	0
	TOTAL FIXED ASSETS	\$104,297,931	\$102,496,308
	OTHER ASSETS		
114	Utility Plant Acquisition Adjustments	\$0	\$0
181	Unamortized Debt Discount & Expense	0	0
190	Accumulated Deferred Income Taxes	0	0
	TOTAL OTHER ASSETS	\$0	\$0
	TOTAL ASSETS	\$105,994,799	\$104,386,096

NOTE: Total Assets on this page should equal **Total Liabilities and Capital** on the following page.

BALANCE SHEET (CONTINUED)

Acct No.	LIABILITIES	BALANCE AT BEGINNING OF TEST YEAR	BALANCE AT END OF YEAR
	CURRENT LIABILITIES		
231	Accounts payable	\$759,250	\$178,976
232	Notes Payable (Current Portion)		
235	Customer Deposits	669,926	997,918
236	Accrued Taxes	295,057	368,663
237.2	Accrued Interest on other Liabilities		139,127
241	Miscellaneous Current and Accrued Liabilities	238,513	352,921
253	Other Deferred Credits	98,117	130,502
	TOTAL CURRENT LIABILITIES	\$2,060,863	\$2,168,107
	LONG-TERM DEBT (Over 12 Months)		
224	Other Long-Term Debt	0	\$143,972
	DEFERRED CREDITS		
251	Unamortized Premium on Debt		
252	Advances in Aid of Construction	27,696,449	28,415,978
255	Accumulated Deferred Investment Tax Credits		
271	Contributions in Aid of Construction	30,534,905	30,859,451
272	Less: Amortization of Contributions	(2,135,469)	(2,633,356)
281	Accumulated Deferred Income Taxes	0	0
	TOTAL DEFERRED CREDITS	\$56,095,885	\$56,642,073
	TOTAL LIABILITIES	\$58,156,748	\$58,954,152
	CAPITAL ACCOUNTS		
201	Common Stock Issued	\$10	\$10
211	Paid in Capital in Excess of Par Value	46,524,355	40,056,551
215	Retained Earnings	1,268,687	5,375,383
218	Proprietary Capital (Sole Props and Partnerships)		
	TOTAL CAPITAL	\$47,793,051	\$45,431,944
	TOTAL LIABILITIES AND CAPITAL	\$105,949,799	\$104,386,096

COMPARATIVE STATEMENT OF INCOME AND EXPENSE

Acct. No.	OPERATING REVENUES	PRIOR YEAR	CURRENT YEAR
521	Flat Rate Revenues	\$12,655,866	\$13,182,317
522	Measured Revenues	307,342	328,082
534	Rents from Wastewater Property	0	\$54,192
536	Other Wastewater Revenues	280,876	319,024
	TOTAL REVENUES	\$13,244,084	\$13,883,615
	OPERATING EXPENSES		
701	Salaries and Wages	\$1,553,869	\$2,062,753
704	Employee Pensions and Benefits	11,503	5,810
710	Purchased Wastewater Treatment		
711	Sludge Removal Expense	250,501	174,909
715	Purchased Power	618,050	611,106
716	Fuel for Power Production	91	2,659
718	Chemicals	439,483	298,660
720	Materials and Supplies	176,291	157,417
721	Office Expense	91,238	95,345
731	Contractual Services – Eng.	-	3,816
732	Contractual Services – Acctg.	207,815	185,702
733	Contractual Services - Legal	83,493	156,173
734	Contractual Services – Mgt Fees	677,467	704,628
735	Contractual Services – Testing	56,375	52,389
736	Contractual Services – Other	24,342	60,210
741	Rental of Building/Real Property	107,438	116,756
742	Rental of Equipment	21,390	15,892
750	Transportation Expense	110,132	84,434
757	Insurance General Liability	74,880	108,217
758	Insurance Workers Comp	14,280	13,330
759	Insurance Other	150,288	220,998
760	Advertising Expense	2,700	3,934
766	Regulatory Comm Exp (Amort of Rate Case)	53,333	207,587
767	Regulatory Comm Exp - Other	2,029	183
770	Bad Debt Expense	96,642	59,178
775	Miscellaneous Expense	478,717	528,862
403	Depreciation Expense	3,462,242	3,479,611
403	Depreciation Expense – CIAC Amortization	(413,909)	(489,163)
408	Taxes Other Than Income	108,832	138,812
408.11	Property Taxes	593,282	782,606
409	Income Taxes	8,157,739	0
	TOTAL OPERATING EXPENSES	\$17,210,533	\$9,842,814
	OTHER INCOME/EXPENSE		
419	Interest and Dividend Income	\$586	\$532
421	Non-Utility Income	0	0

COMPANY NAME: GLOBAL WATER – PALO VERDE UTILITIES COMPANY, INC.

426	Miscellaneous Non-Utility Expenses	0	65,412
427	Interest Expense	0	0
	TOTAL OTHER INCOME/EXPENSE	\$586	\$65,944
	NET INCOME/(LOSS)	(\$3,965,863)	\$4,106,745



APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 10

**ESTIMATED ANNUAL OPERATING REVENUE AND EXPENSES FOR FIRST FIVE
YEARS**

Palo Verde Utilities Company
 CC&N Expansion 2014
 Project Statement of Income

Line No:	Description:	2016 Year 1	2017 Year 2	2018 Year 3	2019 Year 4	2020 Year 5
1	Wastewater Revenue \a					
2	Residential	\$ -	\$ -	\$ -	\$ 213,876	\$ 476,678
3	Commercial	12,390	62,068	86,982	251,079	518,653
4	Industrial	182	987	1,428	2,338	4,264
5	Irrigation	-	-	-	-	-
6	Establishment fee	152	607	303	10,256	13,106
7	Recycled Water Revenues	7,343	36,859	51,865	149,929	310,479
8	Total Estimated Revenues	20,067	100,522	140,579	627,477	1,323,181
9						
10	Employee Labor				66,700	66,700
11	Pumping Power \1	159	794	1,111	11,846	25,564
12	Chemicals \1	84	422	591	6,304	13,604
13	Repairs & Maint \1	34	170	238	2,537	5,475
14	Insurance \1	28	141	197	2,098	4,527
15	Contract Services Fathom \2	15	76	106	1,132	2,442
16	Rent Expense Equip \1	4	21	29	308	665
17	Bad Debt Expense \1	15	77	108	1,147	2,476
18	Maricopa MOU \1	75	373	522	5,567	12,013
19	Postage & Mailing \1	1	3	4	38	81
20	Phone Services Expense \1	1	3	4	38	81
21	Computer Repair & Maint \1	1	3	4	38	81
22	Office Supplies Misc \1	3	13	19	198	428
23	Banking fees \1	6	28	39	415	896
24	Transportation \1	19	93	130	1,389	2,997
25	Total Variable Costs	443	2,215	3,101	99,753	138,031
26						
27	Depreciation \3	35,950	126,305	245,379	360,007	463,093
28	CIAC Amort \4	\$ (17,875.00)	(62,563)	(121,447)	(176,546)	(222,210)
29	Property Taxes \5	1,686	5,065	7,313	24,320	58,555
30	Income Taxes \6	(52)	10,983	2,321	119,115	329,751
31	Total Other Expenses	19,709	79,790	133,565	326,896	629,188
32						
33	Total Operating Expenses	20,152	82,005	136,666	426,649	767,219
34						
35	Operating Income (Expense)	\$ (86)	\$ 18,517	\$ 3,913	\$ 200,829	\$ 555,962

- 36
- 37 \a - Based on customer growth and average revenue for typical meter
- 38 \1 - Based on 2013 average cost per account multiplied by estimated new connections.
- 39 \2 - Based on per connection FATHOM fee
- 40 \3 - Based on plant estimate & authorization depreciation rates
- 41 \4 - Based on customer growth at current HUF
- 42 \5 - ADOR property tax calculation
- 43 \6 - Based on composite rate last rate case
- 44

Total Variable Costs (excluding allocated Personnel Costs)

	2013 Expense Amount	Active Connections 12/31/2012	Active Connections 12/31/2013	Average Connections during 2013	Revenue per Avg Connection	2015	2016	2017	2018	2019	2020
Pumping Power	\$ 611,106	16,327	17,035	16,681	\$ 36.63		158.75	793.76	1,111.26	11,845.89	25,564.36
Chemicals	\$ 325,195	16,327	17,035	16,681	\$ 19.49		84.48	422.39	591.35	6,303.69	13,603.87
Repairs & Maint	\$ 130,878	16,327	17,035	16,681	\$ 7.85		34.00	169.99	237.99	2,536.98	5,475.00
Insurance	\$ 108,217	16,327	17,035	16,681	\$ 6.49		28.11	140.56	196.79	2,097.71	4,527.02
Contract Services Fathom	\$ 406,979				\$ 3.50		15.17	75.83	106.17	1,131.73	2,442.35
Rent Expense Equip	\$ 15,892	16,327	17,035	16,681	\$ 0.95		4.13	20.64	28.90	308.05	664.80
Bad Debt Expense	\$ 59,178	16,327	17,035	16,681	\$ 3.55		15.37	76.86	107.61	1,147.12	2,475.58
Maricopa MOU	\$ 287,169	16,327	17,035	16,681	\$ 17.22		74.60	373.00	522.20	5,566.58	12,013.11
Postage & Mailing	\$ 1,944	16,327	17,035	16,681	\$ 0.12		0.50	2.52	3.53	37.68	81.31
Phone Services Expense	\$ 1,944	16,327	17,035	16,681	\$ 0.12		0.50	2.52	3.53	37.68	81.31
Computer Repair & Maint	\$ 1,944	16,327	17,035	16,681	\$ 0.12		0.50	2.52	3.53	37.68	81.31
Office Supplies Misc	\$ 10,222	16,327	17,035	16,681	\$ 0.61		2.66	13.28	18.59	198.15	427.63
Banking fees	\$ 21,423	16,327	17,035	16,681	\$ 1.28		5.57	27.83	38.96	415.26	896.17
Transportation	\$ 71,637	16,327	17,035	16,681	\$ 4.29		18.61	93.05	130.27	1,388.63	2,996.77
	\$ 2,053,725				\$ 102		\$ 443	\$ 2,215	\$ 3,101	\$ 33,053	\$ 71,331

Palo Verde Utilities Company
CC&N Expansion 2014
Customer Projections

Line No:

Line No	Customer Additions:	2016		2017		2018		2019		2020	
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
1	Residential	0	0	0	0	0	0	0	0	0	0
2	Commercial	3	11	6	6	38	61	302	302	302	302
3	Industrial	1	6	3	3	6	11	11	11	11	11
4	Irrigation	1	6	3	3	6	11	11	11	11	11
5											
6	Total	4.33	17.33	8.67	293.02	374.47					
7	Cumulative Customers:										
8	Residential	0.00	0.00	0.00	249.80	552.14					
9	Commercial	2.87	14.33	20.07	57.72	118.93					
10	Industrial	1.47	7.33	10.27	15.83	26.75					
11	Irrigation	0.00	0.00	0.00	0.00	0.00					
12	Total	4.33	21.67	30.33	323.35	697.82					

Wastewater Revenue

Line No	Customer Additions:	2016		2017		2018		2019		2020	
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
1	Residential	0	0	0	0	0	0	0	0	0	0
2	Commercial	3	11	6	6	38	61	302	302	302	302
3	Industrial	1	6	3	3	6	11	11	11	11	11
4	Irrigation	1	6	3	3	6	11	11	11	11	11
5											
6	Total	4.33	17.33	8.67	293.02	374.47					
7	Cumulative Customers:										
8	Residential	0.00	0.00	0.00	249.80	552.14					
9	Commercial	2.87	14.33	20.07	57.72	118.93					
10	Industrial	1.47	7.33	10.27	15.83	26.75					
11	Irrigation	0.00	0.00	0.00	0.00	0.00					
12	Total	4.33	21.67	30.33	323.35	697.82					

Recycled Water Revenue

Commercial	328,082	130	132	131	2,504	2,531.49					
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New Rates by year using Test Year (not cumulative)

Line No	Customer Additions:	2016		2017		2018		2019		2020	
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
1	Residential	0	0	0	0	0	0	0	0	0	0
2	Commercial	3	11	6	6	38	61	302	302	302	302
3	Industrial	1	6	3	3	6	11	11	11	11	11
4	Irrigation	1	6	3	3	6	11	11	11	11	11
5											
6	Total	4.33	17.33	8.67	293.02	374.47					
7	Cumulative Customers:										
8	Residential	0.00	0.00	0.00	249.80	552.14					
9	Commercial	2.87	14.33	20.07	57.72	118.93					
10	Industrial	1.47	7.33	10.27	15.83	26.75					
11	Irrigation	0.00	0.00	0.00	0.00	0.00					
12	Total	4.33	21.67	30.33	323.35	697.82					

Maricopa/CG Region connections

Santa Cruz Water Co - North	16,028	10,463,460	\$	554,487	\$	358,411	\$	128,630	\$	128,630	\$	1,556,048
Palo Verde Utilities Co - North	15,831	13,107,528	\$	428,148	\$	428,150	\$	206,528	\$	206,528	\$	1,888,938
sub-total MCGR revenue	31,859	23,570,988	\$	982,635	\$	786,561	\$	335,158	\$	335,158	\$	3,444,986
total connections	39,731	30,031,217	\$	1,415,684	\$	1,215,071	\$	335,158	\$	335,158	\$	4,311,081
Cumulative												

Annual additional cumulative revenue per connection

Maricopa/CG Region connections												
Santa Cruz Water Co - North												
Palo Verde Utilities Co - North												
sub-total MCGR revenue												
total connections												



APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
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EXHIBIT 11

APPLICANT'S TARIFF – SCHEDULE OF RATES AND CHARGES

GLOBAL WATER - PALO VERDE UTILITIES COMPANY

Rates Approved in Decision: 74364

TARIFF SCHEDULE**BASIC SERVICE CHARGE**

	March 1, 2014	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019	January 1, 2020	January 1, 2021
5/8" x 3/4" Meter	\$62.91	\$64.34	\$65.88	\$66.61	\$67.34	\$68.06	\$68.79	\$69.53
3/4" Meter	62.91	64.34	65.88	66.61	67.34	68.06	68.79	69.53
1" Meter	157.28	160.87	164.70	166.53	168.35	170.16	171.99	173.83
1-1/2" Meter	314.55	321.72	329.40	333.05	336.69	340.31	343.96	347.64
2" Meter	503.28	514.75	527.30	532.87	538.71	544.50	550.34	556.23
3" Meter	1,006.56	1,029.51	1,054.07	1,065.75	1,077.42	1,089.00	1,100.67	1,112.45
4" Meter	1,572.75	1,608.61	1,646.98	1,665.23	1,683.47	1,701.56	1,719.80	1,738.20
6" Meter	3,154.50	3,217.00	3,294.00	3,330.50	3,367.00	3,403.00	3,439.50	3,476.50
8" Meter	5,032.80	5,147.20	5,270.40	5,328.80	5,387.20	5,444.80	5,503.20	5,562.40

Effluent Charge

All Gallons (per acre foot):	185.74	260.69	338.89	378.00	417.10	456.20	495.31	533.76
All Gallons (Per 1,000 gallons):	0.57	0.80	1.04	1.16	1.28	1.40	1.52	1.64

SERVICE CHARGES

Establishment of Service	35.00
Re-establishment of Service (Within 12 Months)	(a)
Reconnection of Service (Delinquent)	35.00
After Hours Service Charge	35.00
Deposit	(b)
Deposit Interest	NA
NSF Check	30.00
Late Payment Charge (Per Month)	1.50%
Deferred Payment (Per Month)	1.50%

(a) Number of Months off System times the monthly minimum per A.A.C. R14-2-603(D).

(b) Per A.A.C. R14-2-603(B).

In addition to the collection of its regular rates and charges, the Company shall collect from customers their proportionate share of any privilege, sales or use tax in accordance with A.A.C. R14-2-608(D)(5)



APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 12

WRITTEN REQUESTS FOR SERVICE

March 31, 2014

Mr. Ron Fleming
President and COO
Global Water – Palo Verde Utilities Company, Inc.
21410 N. 19th Avenue, Suite 201
Phoenix, AZ 85027

Re: Wastewater and Reclaimed Water Services

Please accept this letter as a request for service, from the owners of the property legally described in Exhibit A, for wastewater and reclaimed water service to approximately 776 acres. We request to be included in the next application for expansion of the Certificate of Convenience and Necessity for Global Water – Palo Verde Utilities Company, Inc.

We have provided you with preliminary information regarding this request. Please contact Kelly Hall with PMC Consultants at email: khall@pmcaz.com or phone: 480.220.7393 for additional information.

Sincerely,



Anderson Russell, LLC

By: Keith J. Miller, VP, CVE, Inc., Manager

Attachments:

Exhibit A – Legal Description

EXHIBIT "A"

PARCEL NO. 1:

THAT PORTION OF THE NORTH HALF OF SECTION 23, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, LYING SOUTH AND WEST OF THE RIGHT OF WAY OF SOUTHERN PACIFIC RAILROAD.

PARCEL NO. 2:

THAT PORTION OF THE SOUTHEAST QUARTER AND THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SECTION 23, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, LYING SOUTH AND WEST OF THE RIGHT OF WAY OF SOUTHERN PACIFIC RAILROAD.

PARCEL NO. 3:

THE NORTHEAST QUARTER OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

PARCEL NO. 4:

THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

PARCEL NO. 5:

THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 15 AND THE NORTHEAST QUARTER OF SECTION 22 ALL IN TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, LYING SOUTH AND WEST OF THE RIGHT OF WAY OF THE SOUTHERN PACIFIC RAILROAD;

EXCEPT ANY PORTION LYING IN THE RIGHT OF WAY OF ANDERSON ROAD.



39700 W. Civic Center Plaza
Maricopa, AZ 85138
Ph: 520.568.9098
Fx: 520.568.9120
www.maricopa-az.gov

May 15, 2014


Mr. Ron Fleming
President and COO
Global Water – Palo Verde Utilities Company, Inc.
21410 N. 19th Avenue, Suite 201
Phoenix, AZ 85027

Re: Wastewater and Reclaimed Water Services

Please accept this letter as a request for service, from the owners of the property legally described in Exhibit A, for wastewater and reclaimed water service to approximately 68 acres of the Eagle Wing PAD in the City of Maricopa. We request to be included in the next application for expansion of the Certificate of Convenience and Necessity for Global Water – Palo Verde Utilities Company, Inc.

We have provided you with preliminary information regarding this request. Please contact Micah Miranda at (520) 316-6812 or micah.miranda@maricopa-az.gov for additional information.

Sincerely,



Gregory Rose
City Manager
City of Maricopa

Attachments:
Exhibit A – Legal Description

EXHIBIT "A"

PARCEL NO. 1:

THAT PORTION OF PARCEL 1 DESCRIBED IN DOCUMENT 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 1, TOWNSHIP 5 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 1;

THENCE NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 1,253.79 FEET ALONG THE EAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 1 TO THE SOUTH LINE OF SAID PARCEL 1 AND THE POINT OF BEGINNING;

THENCE NORTH 80 DEGREES 49 MINUTES 31 SECONDS WEST, A DISTANCE OF 495.48 FEET ALONG SAID SOUTH LINE TO A EASEMENT DESCRIBED AS DOCKET 368, PAGE 478 RECORDS OF PINAL COUNTY, ARIZONA;

THENCE NORTH 67 DEGREES 32 MINUTES 21 SECONDS WEST, A DISTANCE OF 245.15 FEET ALONG THE SOUTH LINE OF SAID EASEMENT AND PARCEL 1;

THENCE NORTH 58 DEGREES 33 MINUTES 21 SECONDS WEST, A DISTANCE OF 313.39 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 48 DEGREES 21 MINUTES 01 SECONDS WEST, A DISTANCE OF 756.83 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 43 DEGREES 52 MINUTES 01 SECONDS WEST, A DISTANCE OF 569.99 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 34 DEGREES 39 MINUTES 01 SECONDS WEST, A DISTANCE OF 615.95 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 32 DEGREES 27 MINUTES 01 SECONDS WEST, A DISTANCE OF 378.38 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 30 DEGREES 55 MINUTES 01 SECONDS WEST, A DISTANCE OF 751.97 FEET ALONG SAID SOUTH LINE;

THENCE NORTH 00 DEGREES 07 MINUTES 59 SECONDS EAST, A DISTANCE OF 192.00 FEET ALONG THE WEST LINE OF SAID EASEMENT AND PARCEL 1;

THENCE DEPARTING PARCEL 1 SOUTH 31 DEGREES 59 MINUTES 01 SECONDS EAST, A DISTANCE OF 1,260.00 FEET ALONG THE NORTH LINE OF SAID EASEMENT;

THENCE SOUTH 36 DEGREES 59 MINUTES 01 SECONDS EAST, A DISTANCE OF 970.00 FEET ALONG SAID NORTH LINE;

THENCE SOUTH 46 DEGREES 59 MINUTES 01 SECONDS EAST, A DISTANCE OF 970.00 FEET ALONG SAID NORTH LINE;

THENCE DEPARTING FROM SAID PARCEL SOUTH 89 DEGREES 46 MINUTES 01 SECONDS EAST, A DISTANCE OF 697.22 FEET;

THENCE NORTH 13 DEGREES 11 MINUTES 06 SECONDS WEST, A DISTANCE OF 1,535.51 FEET;

THENCE NORTH 25 DEGREES 52 MINUTES 03 SECONDS EAST, A DISTANCE OF 754.79 FEET TO THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 50 MINUTES 31 SECONDS EAST, A DISTANCE OF 317.10 FEET ALONG SAID SOUTHEASTERLY LINE TO THE EAST LINE OF SAID SECTION 1;

THENCE SOUTH 00 DEGREES 13 MINUTES 59 SECONDS WEST, A DISTANCE OF 940.89 FEET ALONG THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 1;

THENCE SOUTH 00 DEGREES 13 MINUTES 59 SECONDS WEST, A DISTANCE OF 1,451.26 FEET ALONG SAID EAST LINE OF THE SOUTHEAST QUARTER OF SECTION 1 TO THE POINT OF BEGINNING.

PARCEL NO. 2:

THAT PORTION OF PARCEL 2 DESCRIBED AS DOCUMENT 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 6, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 6;

THENCE NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 840.00 FEET ALONG THE WEST LINE OF SAID SECTION 6 TO THE POINT OF BEGINNING;

THENCE CONTINUING NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 1,865.05 FEET ALONG SAID WEST LINE TO THE WEST QUARTER CORNER OF SAID SECTION 6;

THENCE CONTINUING NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, A DISTANCE OF 940.89 FEET ALONG SAID WEST LINE TO THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 50 MINUTES 47 SECONDS EAST, A DISTANCE OF 231.53 FEET ALONG SAID SOUTHWESTERLY LINE TO A LINE THAT IS 187.50 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID SECTION 6;

THENCE SOUTH 00 DEGREES 13 MINUTES 59 SECONDS WEST, A DISTANCE OF 2,697.85 FEET ALONG SAID PARALLEL LINE TO THE NORTHERLY LINE OF A PARCEL DESCRIBED IN DOCKET 372, PAGE 453 RECORDS OF PINAL COUNTY, ARIZONA AND A POINT ON A NON-TANGENT CURVE HAVING A RADIUS THAT BEARS SOUTH 42 DEGREES 11 MINUTES 49 SECONDS WEST, A DISTANCE OF 3,034.79 FEET;

THENCE SOUTHEASTERLY 780.48 FEET ALONG THE ARC OF SAID CURVE AND SAID NORTHERLY LINE, BEING CONCAVE SOUTHWESTERLY, THROUGH A CENTRAL ANGLE OF 14 DEGREES 44 MINUTES 07 SECONDS;

THENCE SOUTH 33 DEGREES 04 MINUTES 04 SECONDS EAST, A DISTANCE OF 260.45 FEET ALONG SAID NORTHERLY LINE TO THE SOUTH LINE OF SAID SECTION 6;

THENCE SOUTH 89 DEGREES 56 MINUTES 41 SECONDS WEST, A DISTANCE OF 258.82 FEET ALONG SAID SOUTH LINE TO THE SOUTHWESTERLY LINE OF SAID PARCEL 2;

THENCE NORTH 34 DEGREES 26 MINUTES 01 SECONDS WEST, A DISTANCE OF 1,017.77 FEET ALONG SAID SOUTHWESTERLY LINE TO THE POINT OF BEGINNING.

PARCEL NO. 3:

THAT PORTION OF PARCEL 2 DESCRIBED IN DOCUMENT 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 7, TOWNSHIP 5 SOUTH. RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 7;

THENCE NORTH 89 DEGREES 56 MINUTES 41 SECONDS EAST, A DISTANCE OF 578.91 FEET ALONG THE NORTH LINE OF SAID SECTION 7 TO A POINT ON THE SOUTHWESTERLY LINE OF SAID PARCEL 2 AND THE POINT OF BEGINNING;

THENCE CONTINUING NORTH 89 DEGREES 56 MINUTES 41 SECONDS EAST, A DISTANCE OF 263.89 FEET ALONG SAID NORTH LINE TO THE NORTHERLY LINE OF AN EASEMENT DESCRIBED AS DOCKET 1410, PAGE 592 RECORDS OF PINAL COUNTY, ARIZONA;

THENCE SOUTH 35 DEGREES 09 MINUTES 45 SECONDS EAST, A DISTANCE OF 2,868.07 FEET ALONG SAID NORTHERLY LINE TO THE EAST LINE OF SAID PARCEL 2;

THENCE SOUTH 00 DEGREES 29 MINUTES 41 SECONDS EAST, A DISTANCE OF 457.08 FEET ALONG SAID EAST LINE TO SAID SOUTHWESTERLY LINE;

THENCE NORTH 34 DEGREES 25 MINUTES 05 SECONDS WEST, A DISTANCE OF 3,396.06 FEET ALONG SAID SOUTHWESTERLY LINE TO THE POINT OF BEGINNING.



39700 W. Civic Center Plaza
Maricopa, AZ 85138
Ph: 520.568.9098
Fax: 520.568.9120
www.maricopa-az.gov

May 15, 2014

Mr. Ron Fleming
President and COO
Global Water – Palo Verde Utilities Company, Inc.
21410 N. 19th Avenue, Suite 201
Phoenix, AZ 85027

Re: Wastewater and Reclaimed Water Services

Please accept this letter as a request for service, from the owners of the property legally described in Exhibit A, for wastewater and reclaimed water service to approximately 52 acres of the Estrella Gin site in the City of Maricopa. We request to be included in the next application for expansion of the Certificate of Convenience and Necessity for Global Water – Palo Verde Utilities Company, Inc.

We have provided you with preliminary information regarding this request. Please contact Micah Miranda at (520) 316-6812 or micah.miranda@maricopa-az.gov for additional information.

Sincerely,

Gregory Rose
City Manager
City of Maricopa

Attachments:
Exhibit A – Legal Description

EXHIBIT A
LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF PINAL, STATE OF ARIZONA, AND IS DESCRIBED AS FOLLOWS:

The Northeast quarter of the Southwest quarter; AND the Southeast quarter of the Northwest quarter of Section 21, Township 4 South, Range 3 East of the Gila and Salty River Meridian, Pinal County, Arizona, lying North of the Southern Pacific Railroad right of way.

Except those portions conveyed to Pinal County, Arizona in Quit Claim Deeds recorded in Docket 973, Page 345 and Docket 1018, Page 934; and

ALSO Except that portion described as follows:

Commencing at the Northwest corner of the Southeast quarter of the Northwest quarter of said Section 21;

Thence South along the West line of said Southeast quarter of the Northwest quarter of Section 21, a distance of 945.00 feet to the TRUE POINT OF BEGINNING;

Thence East along a line perpendicular to said West line, a distance of 70.00 feet to a point on a line 70 feet East of and parallel with the West line of the Southeast quarter of the Northwest quarter of Section 21;

Thence South along said line, a distance of 50.00 feet;

Thence West along a line perpendicular to the West line of said Southeast quarter of the Northwest quarter of Section 21, a distance of 70.00 feet to a point on said West line;

Thence North along the West line of said Southeast quarter of the Northwest quarter of Section 21, a distance of 50.00 feet to the POINT OF BEGINNING; and

ALSO Except that portion described as follows:

Commencing at the Arizona Department of Transportation aluminum cap in handhole marking the North quarter corner of said Section 21 from which the Arizona Department of Transportation aluminum cap in handhole marking the Northeast corner of said Section 21 bears North 89 degrees 38 minutes 51 seconds East, a distance of 2714.34 feet;

Thence South 00 degrees 31 minutes 04 seconds East, along the North-South mid-section line of said Section 21, a distance of 2066.95 feet to the TRUE POINT OF BEGINNING;

Thence continuing South 00 degrees 31 minutes 04 seconds East, along said North-South mid-section line of said Section 21, a distance of 563.37 feet to the 1 ¼ inch iron pipe marking the center of said Section 21;

Thence South 89 degrees 53 minutes 52 seconds West, along the East-West mid-section line of said Section 21, a distance of 30.00 feet to a point on a line which is parallel with and 30.00 feet Westerly, as measured at right angle from the North-South mid-section line of said Section 21;

Thence North 00 degrees 31 minutes 04 seconds West, along said parallel line, a distance of 371.06 feet to the beginning of a tangent curve of 630.00 foot radius, concave Southeasterly;

Thence Northeasterly, along said curve, through a central angle of 17 degrees 45 minutes 10 seconds, a distance of 195.20 feet to the POINT OF BEGINNING.

APN: 510-17-005E-6



El Dorado

Holdings, Inc.

April 4, 2014

Mr. Ron Fleming
President and COO
Global Water – Palo Verde Utilities Company, Inc.
21410 N. 19th Avenue, Suite 201
Phoenix, AZ 85027

Re: Wastewater and Reclaimed Water Services

Please accept this letter as a request for service, from the owners of the property legally described in Exhibit A, for wastewater and reclaimed water service to approximately 430 acres of the Eagle Wing PAD in the City of Maricopa. We request to be included in the next application for expansion of the Certificate of Convenience and Necessity for Global Water – Palo Verde Utilities Company, Inc.

We have provided you with preliminary information regarding this request. Please contact Linda Cheney at El Dorado Holdings, Administrative Agent for Eagle Shadow LLC at 602-955-2424 or lcheney@eldoradoholdings.net for additional information.

Sincerely,

Linda Cheney
Vice President
El Dorado Holdings, Inc.
as Administrative Agent for
Eagle Shadow, LLC

Attachments:
Exhibit A – Legal Description

EXHIBIT "A"

PARCEL NO. 1: Assessor Parcel #510-49-002B 130.3 acres

THAT PORTION OF PARCEL 1 DESCRIBED IN DOCUMENT RECORDED AS 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 1, TOWNSHIP 5 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 1;

THENCE SOUTH 89 DEGREES 57 MINUTES 17 SECONDS EAST, A DISTANCE OF 2,377.67 FEET ALONG THE NORTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 1 TO THE NORTHWEST CORNER OF SAID PARCEL 1 AND THE POINT OF BEGINNING;

THENCE CONTINUING SOUTH 89 DEGREES 57 MINUTES 17 SECONDS EAST ALONG SAID NORTH LINE, A DISTANCE OF 259.66 FEET TO THE NORTH QUARTER CORNER OF SAID SECTION 1;

THENCE CONTINUING SOUTH 89 DEGREES 57 MINUTES 17 SECONDS EAST ALONG THE NORTH LINE OF THE NORTHEAST CORNER OF SAID SECTION 1, A DISTANCE OF 222.09 FEET TO THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 49 MINUTES 05 SECONDS EAST, ALONG SAID SOUTHWESTERLY RIGHT OF WAY LINE A DISTANCE OF 2,666.32 FEET TO THE WESTERLY LINE OF A PARCEL OF LAND DEEDED TO THE CITY OF MARICOPA IN DEED RECORDED AS 2010-114179 OF OFFICIAL RECORDS PINAL COUNTY RECORDS;

THENCE SOUTH 25 DEGREES 52 MINUTES 03 SECONDS WEST, A DISTANCE OF 755.50 FEET ALONG THE WEST LINE OF SAID PARCEL;

THENCE SOUTH 13 DEGREES 11 MINUTES 06 SECONDS EAST, A DISTANCE OF 1,535.51 FEET ALONG THE WEST LINE OF SAID PARCEL;

THENCE NORTH 89 DEGREES 46 MINUTES 01 SECONDS WEST, A DISTANCE OF 697.22 FEET ALONG THE NORTHERLY LINE OF SAID PARCEL;

THENCE NORTH 46 DEGREES 59 MINUTES 01 SECONDS WEST, ALONG SAID NORTH LINE, A DISTANCE OF 970.00 FEET ALONG THE NORTHERLY LINE OF SAID PARCEL;

THENCE NORTH 36 DEGREES 59 MINUTES 01 SECONDS WEST, CONTINUING ALONG SAID NORTH LINE, A DISTANCE OF 970.00 FEET;

THENCE NORTH 31 DEGREES 59 MINUTES 01 SECONDS WEST, CONTINUING ALONG SAID NORTH LINE, A DISTANCE OF 1,260.00 FEET TO A POINT ON THE WESTERLY LINE OF SAID PARCEL 1;

THENCE NORTH 00 DEGREES 07 MINUTES 59 SECONDS EAST, ALONG SAID WESTERLY LINE A DISTANCE OF 1,241.13 FEET TO THE POINT OF BEGINNING.

PARCEL NO. 2: Assessor Parcel #502-42-002B 134.3 acres

THAT PORTION OF PARCEL 2 DESCRIBED IN DOCUMENT RECORDED AS 2005-066538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 6, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 6;

THENCE NORTH 89 DEGREES 56 MINUTES 52 SECONDS EAST, ALONG THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 6, A DISTANCE OF 837.76 FEET TO A POINT ON THE NORTHERLY LINE OF A PARCEL DEEDED TO THE CITY OF MARICOPA IN DEED RECORDED AS 2010-114179 OF OFFICIAL RECORDS AND THE POINT OF BEGINNING;

THENCE NORTH 33 DEGREES 04 MINUTES 04 SECONDS WEST, ALONG SAID NORTHERLY LINE, A DISTANCE OF 260.50 FEET TO THE BEGINNING OF A TANGENT CURVE;

THENCE NORTHWESTERLY 780.48 FEET ALONG THE ARC OF SAID CURVE AND SAID NORTHERLY LINE, BEING CONCAVE TO THE SOUTHWEST, HAVING A RADIUS OF 3,034.79 FEET, THROUGH A CENTRAL ANGLE OF 14 DEGREE 44 MINUTES 07 SECONDS;

THENCE NORTH 00 DEGREES 13 MINUTES 59 SECONDS EAST, BEING PARALLEL WITH AND 187.50 FEET EAST OF THE WEST LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 1,890.86 FEET ALONG THE EASTERLY LINE OF SAID PARCEL;

THENCE NORTH 00 DEGREES 18 MINUTES 31 SECONDS EAST, A DISTANCE OF 806.89 FEET ALONG SAID EASTERLY LINE TO A POINT ON THE SOUTHWESTERLY RIGHT OF WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;

THENCE SOUTH 53 DEGREES 49 MINUTES 05 SECONDS EAST, ALONG SAID SOUTHWESTERLY RIGHT OF WAY LINE, A DISTANCE OF 2,854.30 FEET TO THE NORTHEAST CORNER OF SAID PARCEL 2;

THENCE SOUTH 01 DEGREES 01 MINUTES 53 SECONDS WEST, ALONG THE EASTERLY LINE OF SAID PARCEL 2, A DISTANCE OF 1,822.10 FEET TO A POINT ON THE SOUTH LINE OF SAID SOUTHWEST QUARTER;

THENCE SOUTH 89 DEGREES 56 MINUTES 52 SECONDS WEST, ALONG SAID SOUTH LINE, A DISTANCE OF 1,636.12 FEET TO THE POINT OF BEGINNING.

PARCEL NO. 3: Assessor Parcel #502-43-003A 43.9 acres

THAT PORTION OF PARCEL 2 DESCRIBED IN DOCUMENT RECORDED AS 2005-056538 OF OFFICIAL RECORDS, RECORDS OF PINAL COUNTY, ARIZONA, LOCATED IN SECTION 7, TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 7;

THENCE NORTH 89 DEGREES 56 MINUTES 52 SECONDS EAST, ALONG THE NORTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 7, A DISTANCE OF 842.83 FEET TO A POINT ON THE NORTHERLY LINE OF A PARCEL DEEDED TO THE CITY OF MARICOPA IN DEED RECORDED AS 2010-114179 OF OFFICIAL RECORDS AND THE POINT OF BEGINNING;

THENCE CONTINUING NORTH 89 DEGREES 56 MINUTES 52 SECONDS EAST ALONG SAID NORTH LINE, A DISTANCE OF 1,631.05 FEET TO A POINT ON THE EASTERLY LINE OF SAID PARCEL 2;

THENCE SOUTH 00 DEGREES 30 MINUTES 08 SECONDS EAST, ALONG SAID EASTERLY LINE, A DISTANCE OF 2,346.17 FEET TO A POINT ON SAID NORTHERLY LINE;

THENCE NORTH 35 DEGREES 09 MINUTES 45 SECONDS WEST, ALONG SAID NORTHERLY LINE, A DISTANCE OF 2,867.91 FEET TO THE POINT OF BEGINNING.

EXHIBIT A

PINAL FEEDING
JN 04-1085

Assessor Parcel #502-06-009B

LEGAL DESCRIPTION

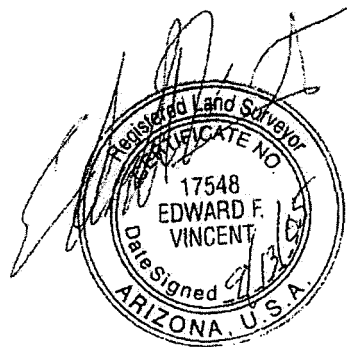
PHASE 1

THAT PORTION OF SECTION 8, TOWNSHIP 5 SOUTH, RANGE 4 EAST, OF THE
GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA, MORE
PARTICULARLY DESCRIBED AS FOLLOWS:

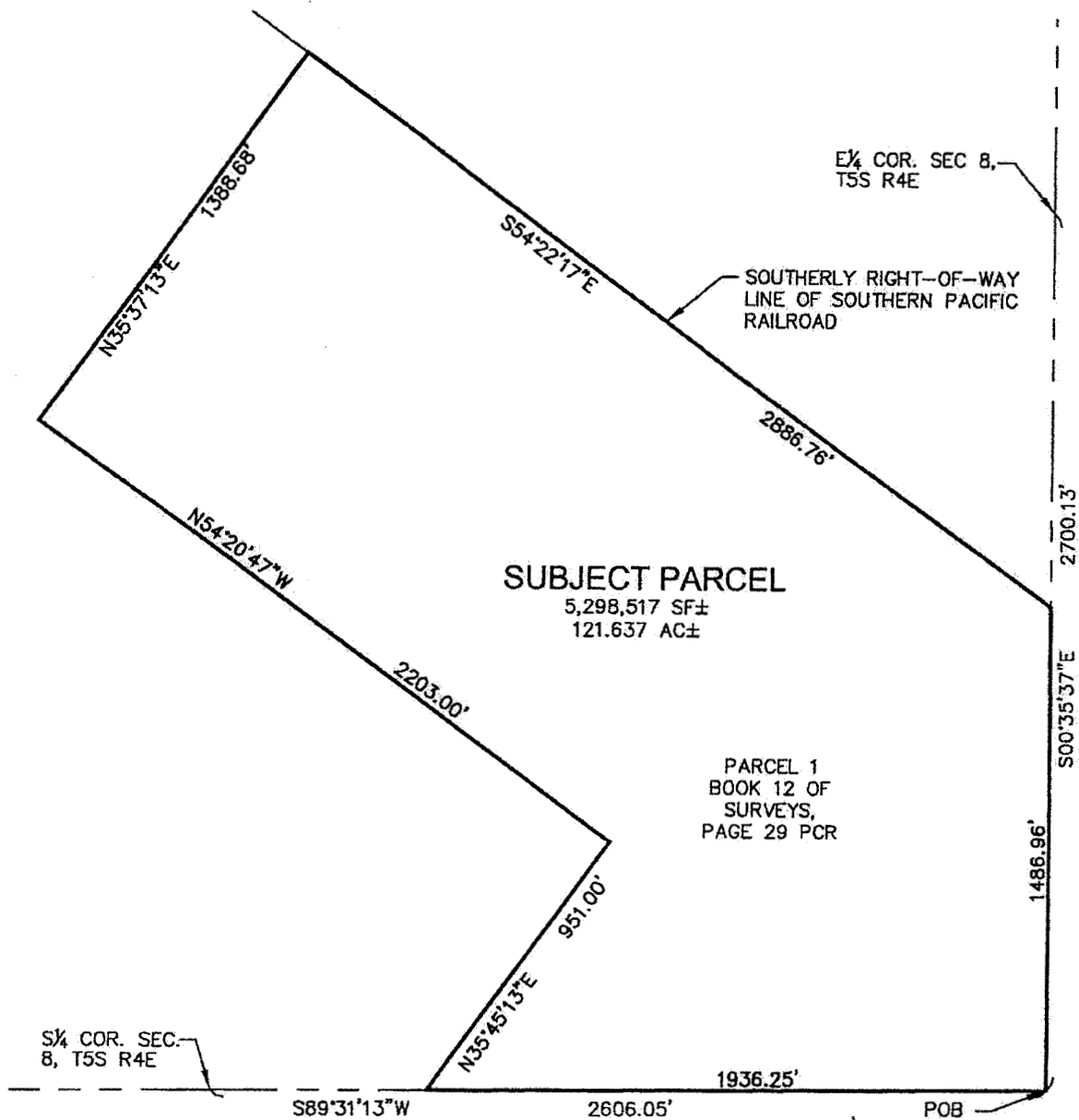
BEGINNING AT THE SOUTHEAST CORNER OF SAID SECTION 8;
THENCE S89°31'13"W, ALONG THE SOUTH LINE OF THE SOUTHEAST QUARTER
OF SAID SECTION 8, A DISTANCE OF 1,936.25 FEET TO THE SOUTHWEST
CORNER OF PARCEL 1, AS SHOWN IN BOOK 12 OF SURVEYS, PAGE 29,
RECORDS OF PINAL COUNTY;
THENCE N35°45'13"E, ALONG THE WESTERLY LINE OF SAID PARCEL 1, A
DISTANCE OF 951.00 FEET;
THENCE N54°20'47"W, ALONG SAID WESTERLY LINE, A DISTANCE OF 2,203.00
FEET;
THENCE N35°37'13"E, ALONG NORTHWESTERLY LINE OF SAID PARCEL 1, A
DISTANCE OF 1,388.68 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-
WAY LINE OF THE SOUTHERN PACIFIC RAILROAD;
THENCE S54°22'17"E, ALONG SAID SOUTHERLY LINE, A DISTANCE OF 2,886.76
FEET TO A POINT ON THE EAST LINE OF SAID SECTION 8;
THENCE LEAVING SAID SOUTH LINE S00°35'37"E, ALONG SAID EAST LINE A
DISTANCE OF 1,486.96 FEET TO THE **POINT OF BEGINNING**.

SAID PARCEL CONTAINS 5,298,517 SQUARE FEET OR 121.637 ACRES, MORE
OR LESS.

OLSSON ASSOCIATES
7250 NORTH 16TH STREET, SUITE 210
PHOENIX, ARIZONA 85020
(602) 748-1000



LEGAL DESCRIPTION PHASE 1



S 1/4 COR. SEC.
8, T5S R4E

S89°31'13"W

2606.05'

1936.25'

POB
SE COR. SEC.
8, T5S R4E



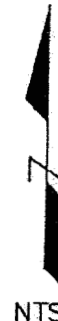
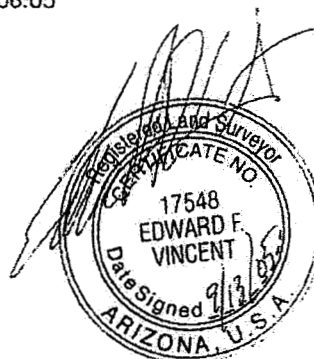
OLSSON ASSOCIATES

ENGINEERS - PLANNERS - SCIENTISTS - SURVEYORS
7250 NORTH 16TH STREET, SUITE 210 - PHOENIX, ARIZONA 85020
602-748-1000 - FAX 602-748-1001

LINCOLN OMAHA GRAND ISLAND HOLDREGE KANSAS CITY PHOENIX DENVER

PROJECT NUMBER: 04-1085

DATE: 8-08-05



Louis Andersen
Public Works Director

Scott Bender
County Engineer

Greg Stanley
County Manager



June 6, 2014

Mr. Ron Fleming
President and COO
Global Water – Palo Verde Utilities Company, Inc.
21410 N. 19th Avenue, Suite 201
Phoenix, AZ 85027

Re: Wastewater and Reclaimed Water Services

Please accept this letter as a request for service, from the owners of the property legally described in Exhibit A, for wastewater and reclaimed water service to approximately 2 acres. We request to be included in the next application for expansion of the Certificate of Convenience and Necessity for Global Water – Palo Verde Utilities Company, Inc.

We have provided you with preliminary information regarding this request. Please contact Jesus Haro at 520-866-6385, jesus.haro@pinalcountyaz.gov for additional information.

Sincerely,

Louis Andersen
Director of Public Works

Attachments:
Exhibit A – Legal Description

PUBLIC WORKS DEPARTMENT

31 North Pinal Street, Building F, PO Box 727 Florence, AZ 85132

T 520-509-3555 Hours M-F 8:00 am – 5:00 pm F 520-866-6511 www.pinalcountyaz.gov

*** CERTIFICATE OF RECORDING ***

STATE OF ARIZONA, COUNTY OF PINAL (SS)
I HEREBY CERTIFY THAT THE WITHIN INSTRUMENT WAS FILED FOR RECORD IN
PINAL COUNTY, STATE OF ARIZONA. WITNESS MY HAND AND OFFICIAL SEAL

NO: 787415

TIME: 0905 01MAR85

PAGES: 001

FEE: \$



KATHLEEN C. FELIX

PINAL COUNTY RECORDER, BY

[Signature]

DEPUTY

① N-2

787415

STATE OF ARIZONA, }

County of

ss. I hereby certify that the within instrument was filed and recorded

In DOCKET

1272-511

and indexed in deeds.

Fee No.

At the request of

When recorded, mail to

Pinal County Highway Department
P. O. Box 727
Florence, Arizona 85232

Witness my hand and official seal.

By

County Recorder

Deputy Recorder

Compared
Photostated
Fee:

Order No. Maricopa Transfer Station **WARRANTY DEED**

For the consideration of Ten and 00/100 Dollars, and other valuable considerations, I or we,

Raymond H. Lacy and Maybelle E. Lacy

the GRANTORS

do hereby convey to Pinal County

the GRANTEE

the following described real property situate in Pinal

County, Arizona:

The South 264 feet of the West half of the West half of the Southwest quarter
of the Southwest quarter of Section 21, Township 4 South, Range 3 East of
Gila and Salt River Base and Meridian, Pinal County, Arizona containing 2.00 acres ±

And the Grantor do warrant the title against all persons whomsoever, subject to the matters above
set forth.

Dated this 28th day of February

[Signature of Raymond H. Lacy]
[Signature of Maybelle E. Lacy]

STATE OF ARIZONA
County of Pinal

This instrument was acknowledged before me this 28th day of

February by the Grantors

Raymond H. Lacy and Maybelle E. Lacy

[Signature of Rodney W. Hampton]

Notary Public

My commission will expire: January 10, 1986

STATE OF ARIZONA

County of

ss.

This instrument was acknowledged before me this

day of

by the Grantors

My commission will expire

Notary Public

May 29, 2014

Mr. Ron Fleming
President and COO
Global Water – Palo Verde Utilities Company, Inc.
21410 N. 19th Avenue, Suite 201
Phoenix, AZ 85027


Re: Wastewater and Reclaimed Water Services

Please accept this letter as a request for service, from the owners of the property legally described in Exhibit A, for wastewater and reclaimed water service to approximately __112__ acres. We request to be included in the next application for expansion of the Certificate of Convenience and Necessity for Global Water – Palo Verde Utilities Company, Inc.

We have provided you with preliminary information regarding this request. Please contact __
Bryant Smith _____ at 520-400-0333 or smith.bryant@gmail.com
_____ for additional information.

Sincerely,
Bryant Smith

Santa Cruz Land Development LLC.

 manager

Attachments:
Exhibit A – Legal Description
Exhibit B -- Map

Exhibit A

LEGAL DESCRIPTION

PARCEL NO. 1

THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 4 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA; EXCEPTING THEREFROM ANY PORTION LYING WITHIN THE SOUTHERN PACIFIC RAILROAD RIGHT OF WAY.

PARCEL NO. 2

THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 4 SOUTH, RANGE 3 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA; EXCEPTING THEREFROM ANY PORTION LYING WITHIN THE FOLLOWING DESCRIBED PARCEL AS CONVEYED TO THE STATE OF ARIZONA, BY AND THROUGH ITS DEPARTMENT OF TRANSPORTATION, IN DOCKET 1495, PAGE 17, DESCRIBED AS FOLLOWS:

THAT PORTION OF THE NORTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 21, WHICH LIES BETWEEN THE SOUTH LINE OF THE EXISTING 33.00 FOOT PUBLIC HIGHWAY RIGHT OF WAY AND THE FOLLOWING DESCRIBED LINE:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 21;
THENCE SOUTH 00 DEGREES 52 MINUTES 48 SECONDS EAST A DISTANCE OF 50.00 FEET ALONG THE WEST LINE OF SAID OF SAID SECTION 21, TO THE POINT OF BEGINNING;
THENCE NORTH 89 DEGREES 39 MINUTES 03 SECONDS EAST A DISTANCE OF 2900 FEET TO HE TERMINUS OF SAID LINE; AND

EXCEPT ANY PORTION OF FEE INTEREST IN AND TO SAID PUBLIC HIGHWAY RIGHT OF WAY, AS CONVEYED IN DOCKET 1957, PAGE 17; AND

EXCEPTING THEREFROM ANY PORTION OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21, AS CONVEYED IN INSTRUMENT NO. 1997-044070, TO MARICOPA DOMESTIC WATER IMPROVEMENT DISTRICT, A POLITICAL SUBDIVISION OF PINAL COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21;

THENCE SOUTH ALONG THE EAST LINE OF SAID NORTHWEST QUARTER OF THE NORTHWEST QUARTER A DISTANCE OF 50.00 FEET TO A POINT ON A LINE 50 FEET SOUTH OF AND PARALLEL WITH THE NORTH LINE OF THE NORTHWEST QUARTER, SAID POINT BEING THE POINT OF BEGINNING;

THENCE CONTINUING SOUTH ALONG SAID EAST LINE A DISTANCE OF 50.00 FEET TO A POINT ON A LINE PARALLEL WITH THE NORTH LINE OF SAID NORTHWEST QUARTER;

THENCE WEST ALONG SAID LINE A DISTANCE OF 50.00 FEET;

THENCE NORTH ALONG A LINE PARALLEL TO THE EAST LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER A DISTANCE OF 50.00 FEET TO A POINT ON A LINE 50 FEET SOUTH OF AND PARALLEL WITH THE NORTH LINE OF THE NORTHWEST QUARTER;

THENCE EAST ALONG SAID LINE A DISTANCE OF 50.00 FEET TO THE POINT OF BEGINNING.

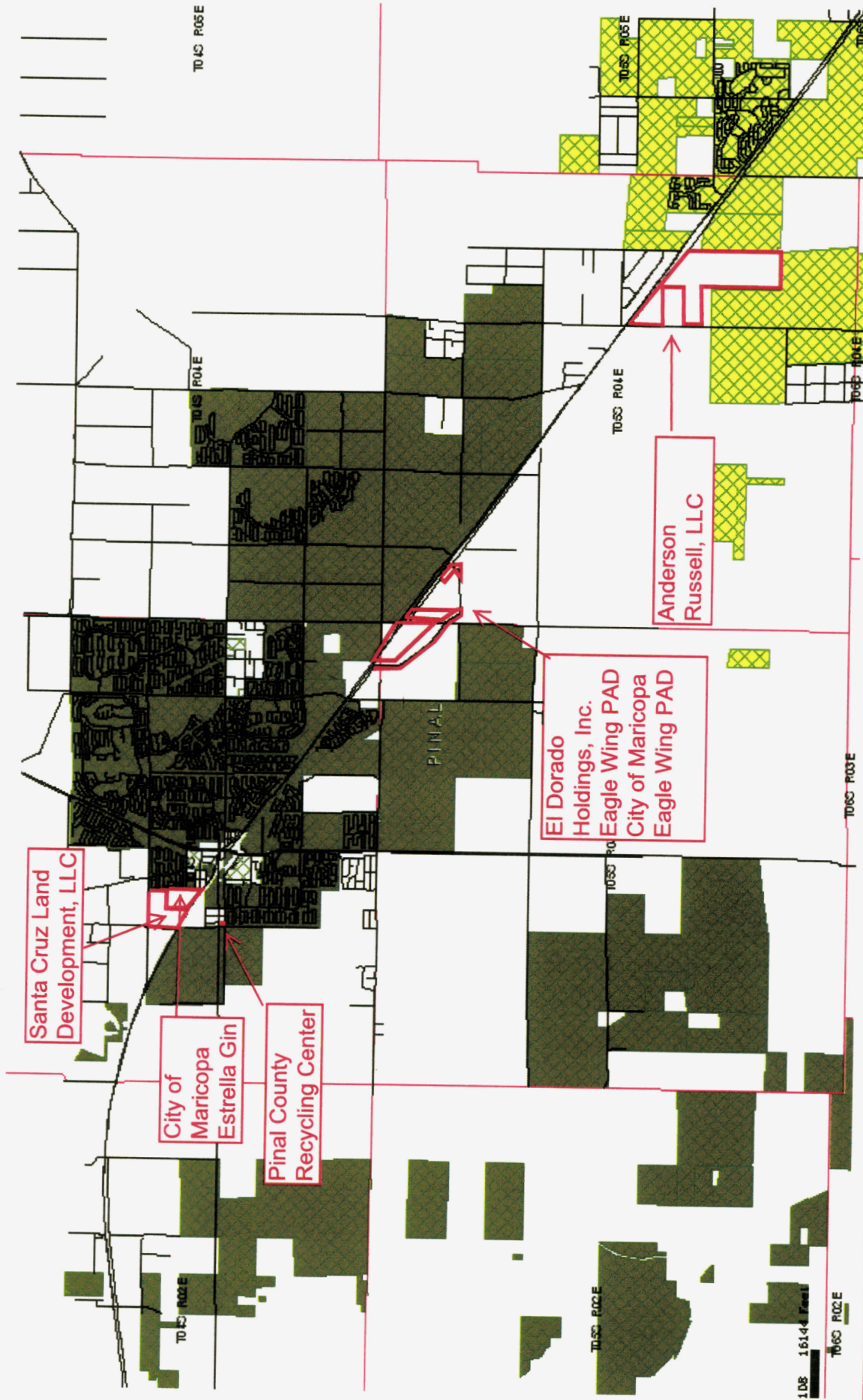


APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 13

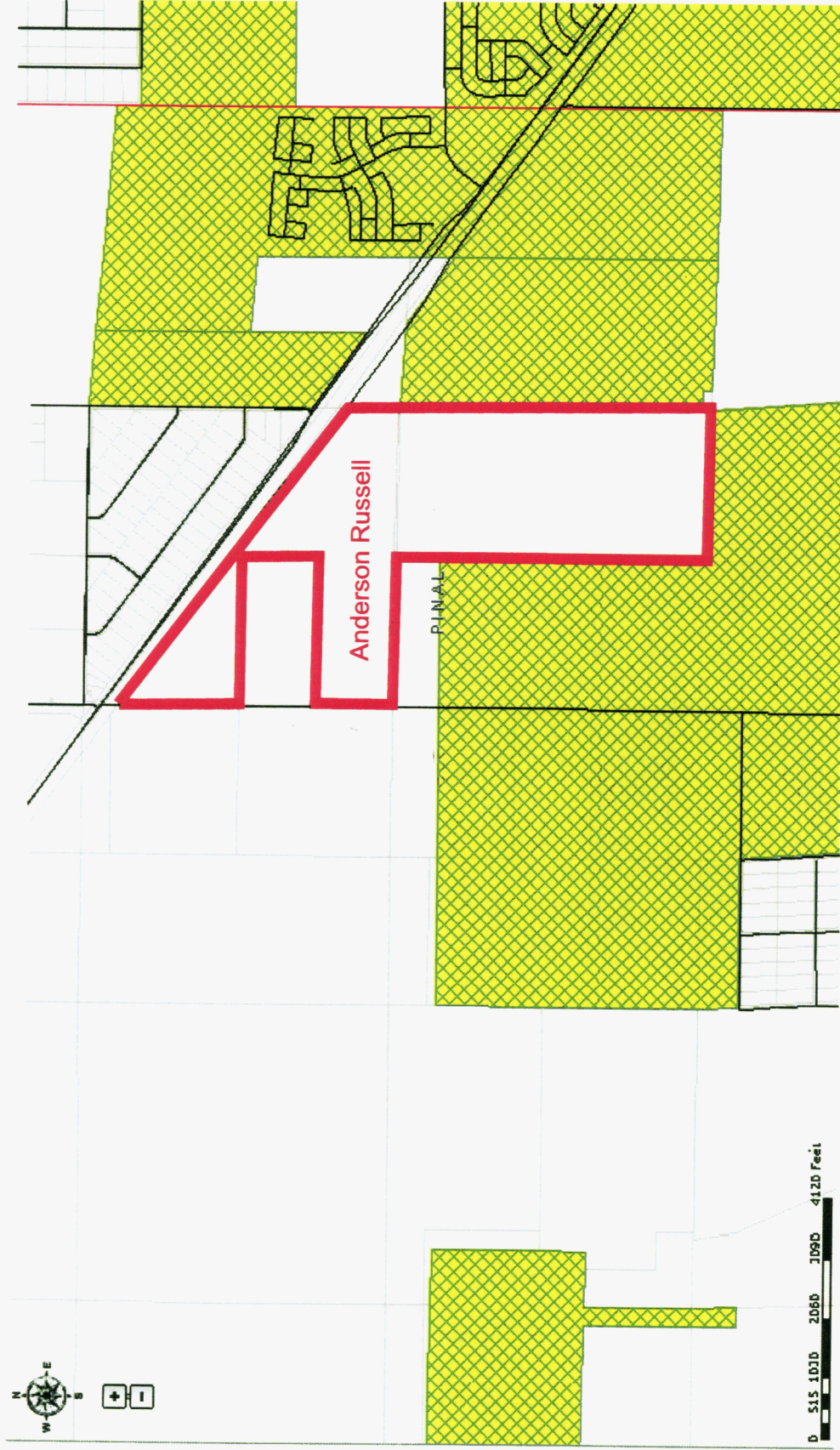
MAP OF EXISTING CC&N AND EXTENSION AREA

GLOBAL WATER - PALO VERDE UTILITIES COMPANY
MAP OF EXISTING CC&N AND EXTENSION AREA
TOTAL ACREAGE: 1411 ACRES



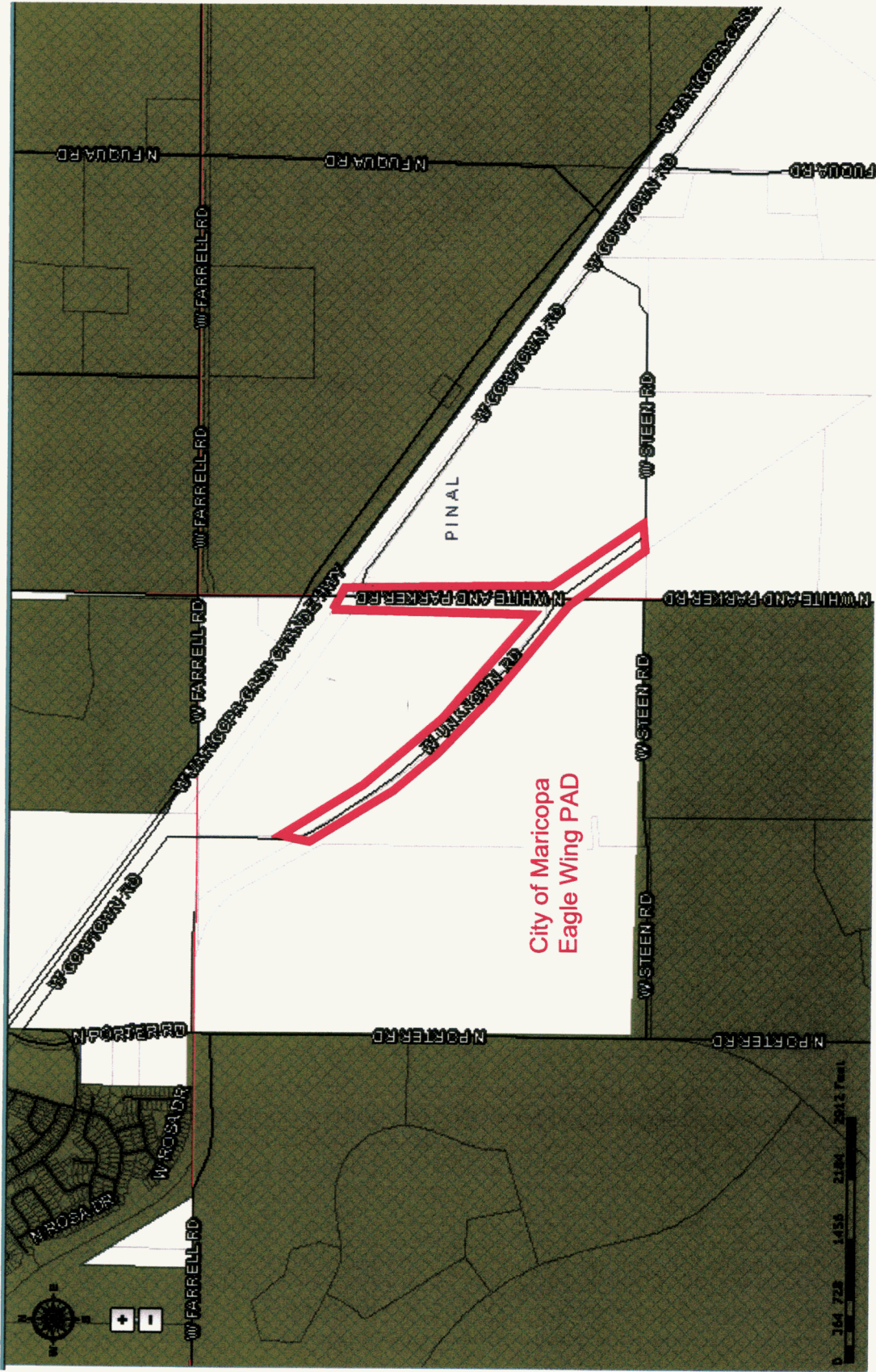
Legend:
 Green and Yellow Indicates Current Approved CC&N Area
 Red Outline Indicates Extension Area

GLOBAL WATER - PALO VERDE UTILITIES COMPANY
MAP OF EXISTING CC&N AND EXTENSION AREA
PROPERTY OWNER: ANDERSON RUSSELL, LLC
745 ACRES



Legend: Yellow Indicates Current CC&N

GLOBAL WATER - PALO VERDE UTILITIES COMPANY
MAP OF EXISTING CC&N AND EXTENSION AREA
PROPERTY OWNER: CITY OF MARICOPA
68 ACRES



Legend: Green Indicates Current CC&N

[illegible]

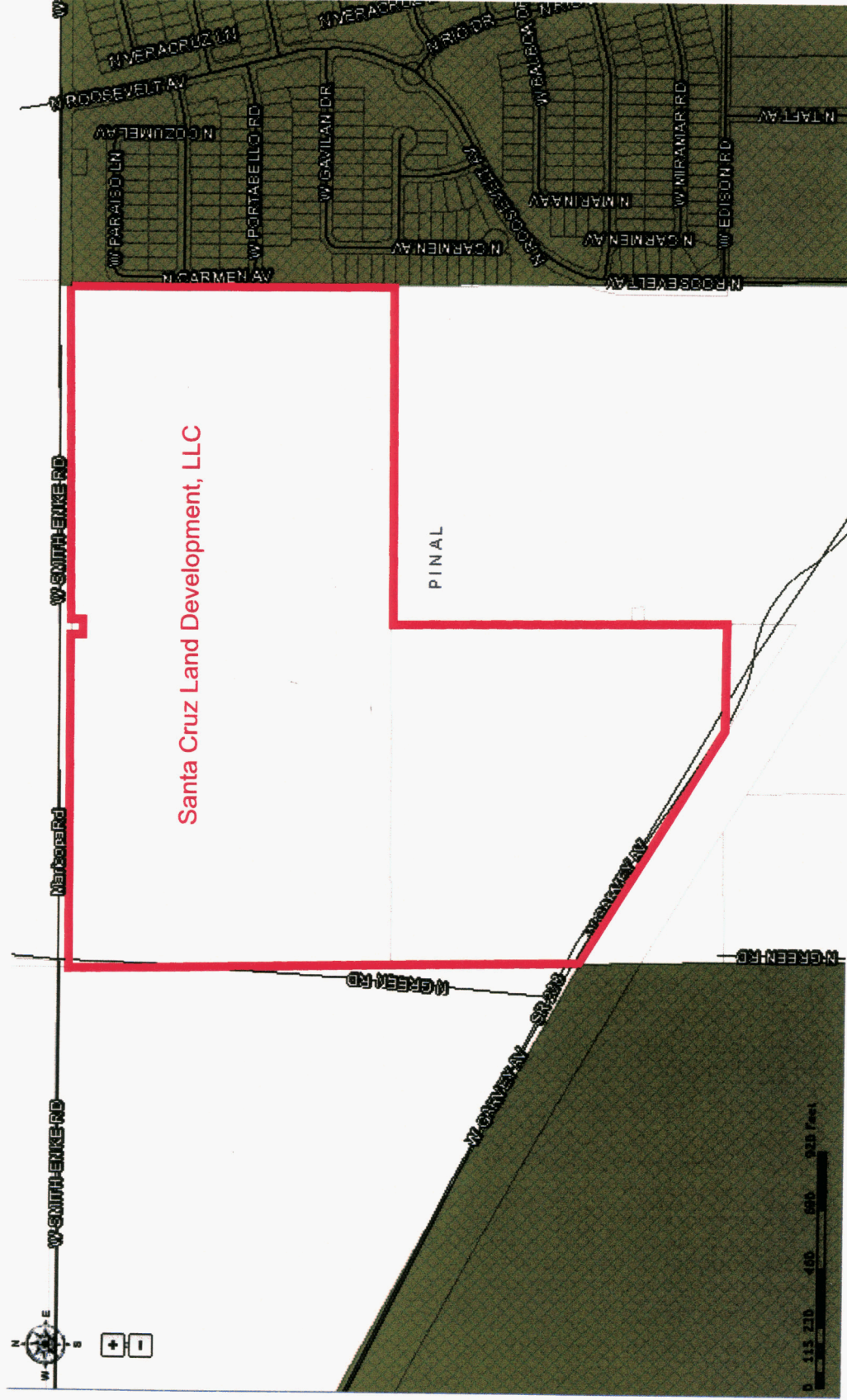
Legend: Green Indicates Current CC&N

Legend: Green Indicates Current CC&N

[illegible]

Legend: Green Indicates Current CC&N

GLOBAL WATER - PALO VERDE UTILITIES COMPANY
 MAP OF EXISTING CC&N AND EXTENSION AREA
 PROPERTY OWNER: SANTA CRUZ LAND DEVELOPMENT, LLC
 114 ACRES



Legend: Green Indicates Current CC&N



APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
FOR AN EXTENSION OF A CERTIFICATE OF CONVENIENCE AND
NECESSITY TO PROVIDE WATER UTILITY SERVICE IN PINAL COUNTY, AZ

EXHIBIT 14

E-MAIL REGARDING PUBLIC WATER SYSTEM COMPLIANCE REPORT

Jason Thuneman

From: Daniel Czecholinski [Czecholinski.Daniel@azdeq.gov]
Sent: Tuesday, June 17, 2014 2:52 PM
To: Jason Thuneman
Cc: Jon Corwin
Subject: RE: Compliance Status Report

Jason,

This email is to confirm that ADEQ is no longer preparing compliance status reports for utilities.

Daniel

From: Jason Thuneman [<mailto:jason.thuneman@gwresources.com>]
Sent: Tuesday, June 17, 2014 11:15 AM
To: Daniel Czecholinski
Cc: Jon Corwin
Subject: RE: Compliance Status Report

Daniel,

Thanks for getting back to me so quickly. Is there any way I can get a letter from ADEQ stating they no longer issue these reports? If not, then perhaps an email will suffice, but this is a requirement of the ACC so I would like to have at least this at a minimum for them.

Thanks for your help!



Jason Thuneman Phn 623.580.9600 x123
Director, Project Management Office Fax 623.580.9659
jason.thuneman@gwresources.com Cell 602.550.1239

Global Water
21410 N. 19th Avenue, Suite 201, Phoenix, AZ 85027
www.gwresources.com

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Please consider the environment before printing this email.

From: Jason Thuneman
Sent: Tuesday, June 17, 2014 9:54 AM
To: 'Czecholinski.Daniel@azdeq.gov'
Cc: Jon Corwin
Subject: Compliance Status Report

Hi Daniel,

Global Water is going to file a CC&N Expansion with the Arizona Corporation Commission, and a requirement of the application for each utility is to provide an updated compliance report from ADEQ.

I was wondering if you could help me obtain this letter, or point me in the right direction. The Utilities filing an application are Palo Verde Utilities, and Santa Cruz Water Company, and I attached a previous letter we received, but need an updated one for each utility.

Thanks for your help- I look forward to hearing from you.



Jason Thuneman

Director, Project Management Office

jason.thuneman@gwresources.com

Phn 623.580.9600 x123

Fax 623.580.9659

Cell 602.550.1239

Global Water

21410 N. 19th Avenue, Suite 201, Phoenix, AZ 85027

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APPLICATION OF GLOBAL WATER – PALO VERDE UTILITIES COMPANY
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EXHIBIT 15

WASTEWATER FLOW DATA SHEET

COMPANY NAME: GLOBAL WATER – PALO VERDE UTILITIES COMPANY, INC.

Name of System: Palo Verde

Wastewater Inventory Number (if applicable):

WASTEWATER FLOWS

MONTH/YEAR (Most Recent 12 Months)	NUMBER OF SERVICES	TOTAL MONTHLY SEWAGE FLOW	SEWAGE FLOW ON PEAK DAY
JULY 2013	16,822	64,534,000	2,587,000
AUGUST 2013	16,915	65,931,000	2,364,000
SEPTEMBER 2013	16,938	65,518,000	2,507,000
OCTOBER 2013	16,986	68,804,000	2,522,000
NOVEMBER 2013	17,036	70,974,000	2,688,000
DECEMBER 2013	17,038	74,242,000	2,705,000
JANUARY 2014	17,069	77,672,000	2,828,000
FEBRUARY 2014	17,099	78,333,000	2,687,000
MARCH 2014	17,151	78,805,000	2,735,000
APRIL 2014	17,176	76,499,000	2,687,000
MAY 2014	17,174	72,667,000	2,611,000
JUNE 2014	17,236	76,908,000	2,378,000

**PROVIDE THE FOLLOWING INFORMATION AS APPLICABLE
PER WASTEWATER SYSTEM**

Method of Effluent Disposal (leach field, surface water discharge, reuse, injection wells, groundwater recharge, evaporation ponds, etc.)	Reuse AZPDES Discharge
Groundwater Permit Number	
ADEQ Aquifer Protection Permit Number	APP 105228 APP 105668 – Campus 2 APP 105922
ADEQ Reuse Permit Number	R106345
EPA NPDES Permit Number	AZ0025071



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EXHIBIT 16

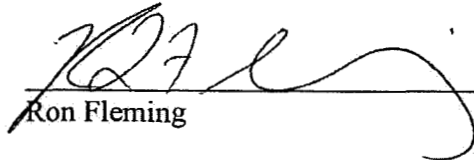
**NOTARIZED SIGNATURE OF RON FLEMING
ON BEHALF OF APPLICANT**

AFFIDAVIT OF RON L. FLEMING

STATE OF ARIZONA)
) ss.
County of Maricopa)

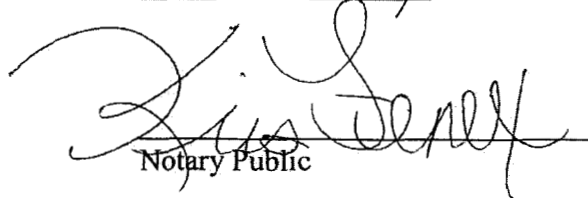
Ron L. Fleming, being duly sworn, deposes and says:

1. I am a resident of Maricopa County, over 18 years of age, and make this affidavit based on my own personal knowledge.
2. I am the President of Global Water – Palo Verde Utilities Company.
3. The Application for Extension of Certificate of Convenience and Necessity, to which this affidavit is attached, was prepared under my supervision.



Ron Fleming

SUBSCRIBED and sworn to me this 18th day of July, 2014



Notary Public

My Commission Expires:

